

Water Saving Initiatives

Water Saving Initiatives

The City of Melbourne is taking an active role in saving water, improving water quality and identifying new water sources. Council is reducing water consumption and improving water management with an overall target to reduce the City's water consumption by 40 per cent by 2020. This interactive map identifies Council developed or supported water saving initiatives across the City of Melbourne*. Some projects are jointly or partially funded by partners such as Melbourne Water, the State and Federal Government.

Major water saving projects are categorised by type to give an understanding of what type of initiative they are and their status of either; completed, in progress or proposed.

Please take a look at how we have and will be managing water conservation in our city. We hope that this inspires you to think about what you can do around your home and community, now and into the future.

**Please note this is list of water saving projects in the City of Melbourne as of April 2008. The map will be reviewed every six months to reflect new programs and the progress of existing projects.*

Water Saving Initiatives

The City of Melbourne is taking an active role in saving water, improving water quality and identifying new water sources. Council is reducing water consumption and improving water management with an overall target to reduce the City's water consumption by 40 per cent by 2020. This interactive map identifies Council developed or supported water saving initiatives across the City of Melbourne*. Some projects are jointly or partially funded by partners such as Melbourne Water, the State and Federal Government.

Major water saving projects are categorised by type to give an understanding of what type of initiative they are and their status of either; completed, in progress or proposed.

Please take a look at how we have and will be managing water conservation in our city. We hope that this inspires you to think about what you can do around your home and community, now and into the future.

**Please note this is list of water saving projects in the City of Melbourne as of April 2008. The map will be reviewed every six months to reflect new programs and the progress of existing projects.*

Water Saving Initiatives

The City of Melbourne is taking an active role in saving water, improving water quality and identifying new water sources. Council is reducing water consumption and improving water management with an overall target to reduce the City's water consumption by 40 per cent by 2020. This interactive map identifies Council developed or supported water saving initiatives across the City of Melbourne*. Some projects are jointly or partially funded by partners such as Melbourne Water, the State and Federal Government.

Major water saving projects are categorised by type to give an understanding of what type of initiative they are and their status of either; completed, in progress or proposed.

Please take a look at how we have and will be managing water conservation in our city. We hope that this inspires you to think about what you can do around your home and community, now and into the future.

**Please note this is list of water saving projects in the City of Melbourne as of April 2008. The map will be reviewed every six months to reflect new programs and the progress of existing projects.*

enter

major projects

in progress

main map



- water sensitive
urban design

Water Saving Initiatives

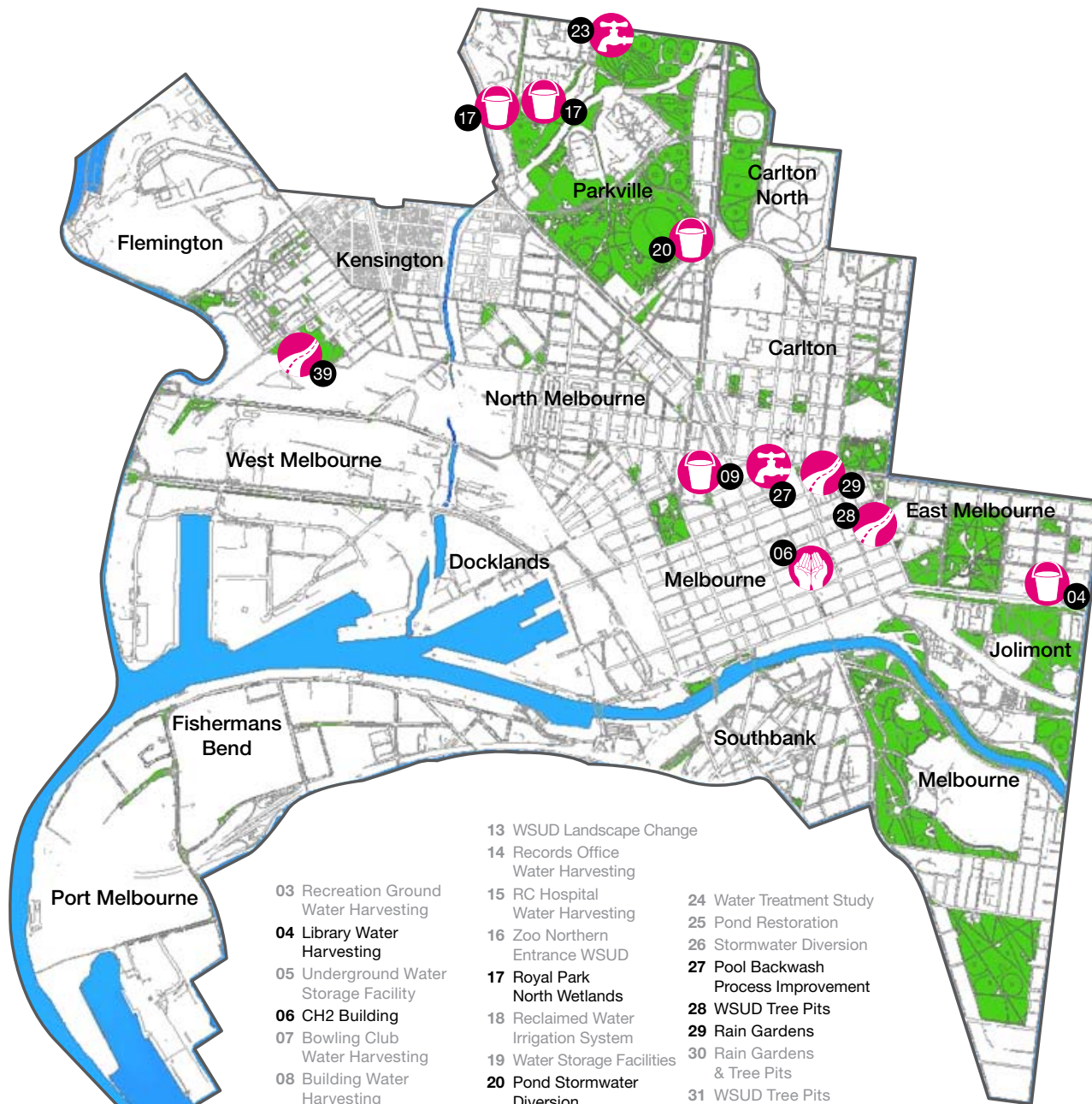
completed projects

completed

in progress

proposed

main map



01 Housing Estate
Water Harvesting

02 Roof Water
Harvesting Project

03 Recreation Ground
Water Harvesting

04 Library Water
Harvesting

05 Underground Water
Storage Facility

06 CH2 Building

07 Bowling Club
Water Harvesting

08 Building Water
Harvesting

09 QV Market
Water Harvesting

10 Shrine Water Harvesting

11 Station Roof
Water Harvesting

12 Water Storage Facility

13 WSUD Landscape Change

14 Records Office
Water Harvesting

15 RC Hospital
Water Harvesting

16 Zoo Northern
Entrance WSUD

17 Royal Park
North Wetlands

18 Reclaimed Water
Irrigation System

19 Water Storage Facilities

20 Pond Stormwater
Diversion

21 Pavilion Water
Harvesting

22 WSUD Tan Track
Reconstruction

23 Machinery Wash
Down Facility

24 Water Treatment Study

25 Pond Restoration

26 Stormwater Diversion

27 Pool Backwash
Process Improvement

28 WSUD Tree Pits

29 Rain Gardens

30 Rain Gardens
& Tree Pits

31 WSUD Tree Pits

32 Rain Gardens

33 WSUD Tree Pits

34 Rain Gardens

35 Rain Gardens

36 Docklands Park
Wetlands System

37 Community Centre
Water Harvesting

38 Playground Building
Water Harvesting

39 Rain Gardens & Tree Pits

water harvesting



water delivery
efficiencies



Water Storage



sustainable
development



water sensitive
urban design



Water Saving Initiatives in progress projects

completed

in progress

proposed

main map



- | | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration | 38 Playground Building Water Harvesting |
| 10 Shrine Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion | 39 Rain Gardens & Tree Pits |
| 11 Station Roof Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement | |
| 12 Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits | |
| | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens | |
| | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits | |
| | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits | |
| | | 21 Pavilion Water Harvesting | 32 Rain Gardens | |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits | |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens | |
| | | | 35 Rain Gardens | |
| | | | 36 Docklands Park Wetlands System | |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives

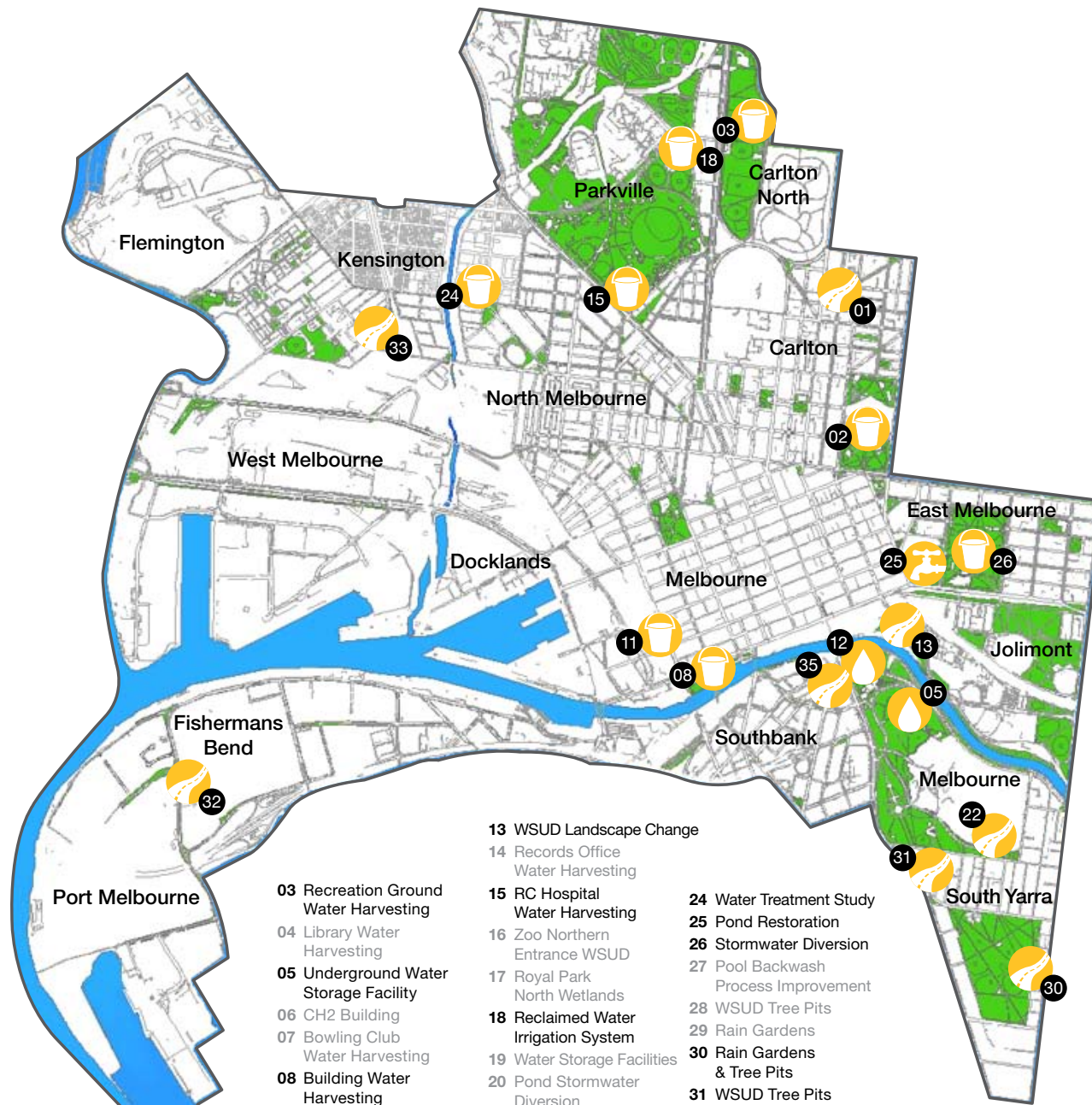
proposed projects

completed

in progress

proposed

main map



- | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

major projects

- completed
- in progress
- proposed

main map



Carlton Housing Estate Water Harvesting

Housing redevelopment design to include **WSUD** principles such as **water harvesting** and re-use within the estate.

- | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 10 Shrine Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 11 Station Roof Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 12 Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| | | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

Water Saving Initiatives

major projects

completed

in progress

proposed

main map



Exhibition Building Roof Water Harvesting Project

Water harvested from the roof to be captured in underground storage for re-use in landscape surrounds.

- | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 10 Shrine Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 11 Station Roof Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 12 Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| | | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives major projects

completed

in progress

proposed

main map



Carlton Recreation Ground Redevelopment Water Harvesting

Investigation into **water harvesting** opportunities to be incorporated into new development.

- | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 10 Shrine Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 11 Station Roof Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 12 Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| | | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting 

water delivery efficiencies 

Water Storage 

sustainable development 

water sensitive urban design 

Water Saving Initiatives major projects

completed

in progress

proposed

main map



- | | | | |
|---------------------------------------|----------------------------------|----------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 13 WSUD Landscape Change |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 14 Records Office Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | | 15 RC Hospital Water Harvesting |
| 04 Library Water Harvesting | | | 16 Zoo Northern Entrance WSUD |
| 05 Underground Water Storage Facility | | | 17 Royal Park North Wetlands |
| 06 CH2 Building | | | 18 Reclaimed Water Irrigation System |
| 07 Bowling Club Water Harvesting | | | 19 Water Storage Facilities |
| 08 Building Water Harvesting | | | 20 Pond Stormwater Diversion |
| 09 QV Market Water Harvesting | | | 21 Pavilion Water Harvesting |
| 24 Water Treatment Study | | | 25 Pond Restoration |
| 25 Pond Restoration | | | 26 Stormwater Diversion |
| 26 Stormwater Diversion | | | 27 Pool Backwash Process Improvement |
| 27 Pool Backwash Process Improvement | | | 28 WSUD Tree Pits |
| 28 WSUD Tree Pits | | | 29 Rain Gardens |
| 29 Rain Gardens | | | 30 Rain Gardens & Tree Pits |
| 30 Rain Gardens & Tree Pits | | | 31 WSUD Tree Pits |
| 31 WSUD Tree Pits | | | 32 Rain Gardens |
| 32 Rain Gardens | | | 33 WSUD Tree Pits |
| 33 WSUD Tree Pits | | | 34 Rain Gardens |
| 34 Rain Gardens | | | 35 Rain Gardens |
| 35 Rain Gardens | | | 36 Docklands Park Wetlands System |
| 36 Docklands Park Wetlands System | | | |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

East Melbourne Library Water Harvesting

This sustainable building incorporates water saving methods such as harvesting roof water to store in a 14,000L tank system. The water is used to flush toilets and irrigate the garden.

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design



Water Saving Initiatives

major projects

completed

in progress

proposed

main map



- | | | |
|---|---|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting |
| 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 16 Zoo Northern Entrance WSUD |
| 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 17 Royal Park North Wetlands |
| 11 Station Roof Water Harvesting | 12 Water Storage Facility | 18 Reclaimed Water Irrigation System |
| 13 WSUD Landscape Change | 14 Records Office Water Harvesting | 19 Water Storage Facilities |
| 15 RC Hospital Water Harvesting | 16 Zoo Northern Entrance WSUD | 20 Pond Stormwater Diversion |
| 17 Royal Park North Wetlands | 18 Reclaimed Water Irrigation System | 21 Pavilion Water Harvesting |
| 19 Water Storage Facilities | 20 Pond Stormwater Diversion | 22 WSUD Tan Track Reconstruction |
| 21 Pavilion Water Harvesting | 22 WSUD Tan Track Reconstruction | 23 Machinery Wash Down Facility |
| 23 Machinery Wash Down Facility | 24 Water Treatment Study | 25 Pond Restoration |
| 24 Water Treatment Study | 25 Pond Restoration | 26 Stormwater Diversion |
| 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement |
| 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits |
| 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens |
| 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits |
| 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits |
| 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens |
| 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits |
| 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens |
| 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens |
| 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System |
| 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting |
| 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting |
| 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits |
| 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | |

Sidney Myer Music Bowl Underground Water Storage Facility

The Arts Centre intends to install a 520,000L underground **water storage** facility at the rear of the SMMB for irrigating the Bowl lawns.

water harvesting



water delivery efficiencies



Water Storage



sustainable development



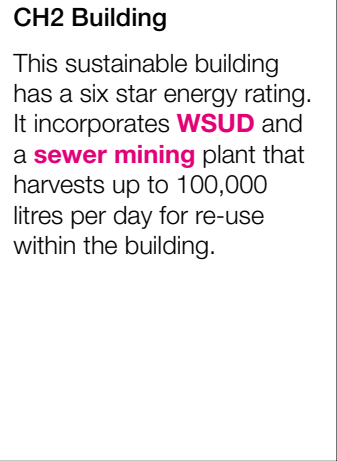
water sensitive urban design



major projects

in progress

main map



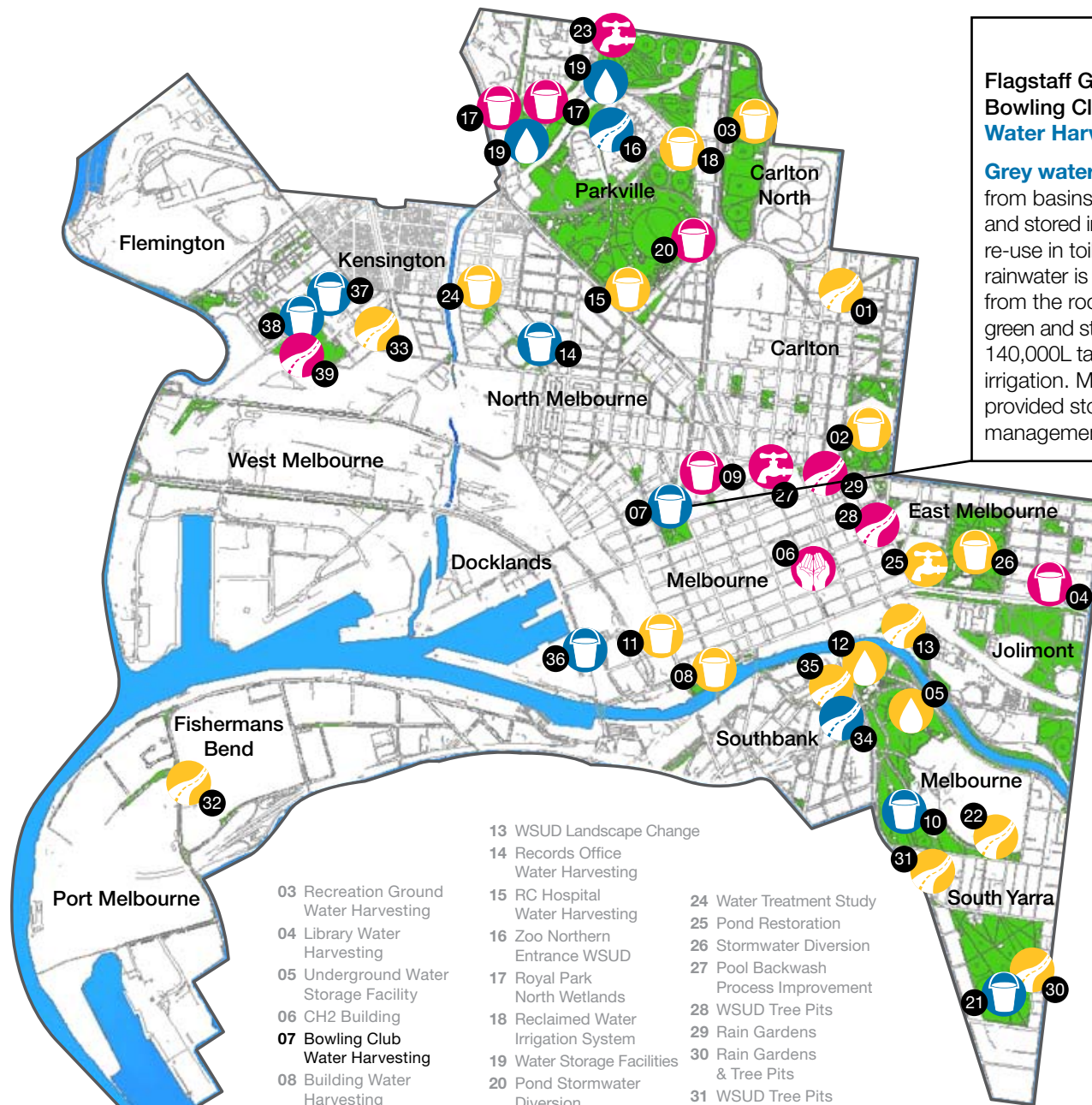
Water Saving Initiatives major projects

completed

in progress

proposed

main map



- | | | |
|---------------------------------------|----------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | |
| 04 Library Water Harvesting | | 13 WSUD Landscape Change |
| 05 Underground Water Storage Facility | | 14 Records Office Water Harvesting |
| 06 CH2 Building | | 15 RC Hospital Water Harvesting |
| 07 Bowling Club Water Harvesting | | 16 Zoo Northern Entrance WSUD |
| 08 Building Water Harvesting | | 17 Royal Park North Wetlands |
| 09 QV Market Water Harvesting | | 18 Reclaimed Water Irrigation System |
| | | 19 Water Storage Facilities |
| | | 20 Pond Stormwater Diversion |
| | | 21 Pavilion Water Harvesting |
| | | 24 Water Treatment Study |
| | | 25 Pond Restoration |
| | | 26 Stormwater Diversion |
| | | 27 Pool Backwash Process Improvement |
| | | 28 WSUD Tree Pits |
| | | 29 Rain Gardens |
| | | 30 Rain Gardens & Tree Pits |
| | | 31 WSUD Tree Pits |
| | | 32 Rain Gardens |
| | | 33 WSUD Tree Pits |
| | | 34 Rain Gardens |
| | | 35 Rain Gardens |
| | | 36 Docklands Park Wetlands System |
| | | |
| | | 37 Community Centre Water Harvesting |
| | | 38 Playground Building Water Harvesting |
| | | 39 Rain Gardens & Tree Pits |

Flagstaff Gardens Lawn Bowling Club Building Water Harvesting

Grey water to be harvested from basins and showers and stored in 1,000L tank for re-use in toilets. In addition, rainwater is to be harvested from the roof and synthetic green and stored in a separate 140,000L tank for sub-surface irrigation. Melbourne Water provided storm water management advice.

water harvesting



water delivery efficiencies



Water Storage



sustainable development



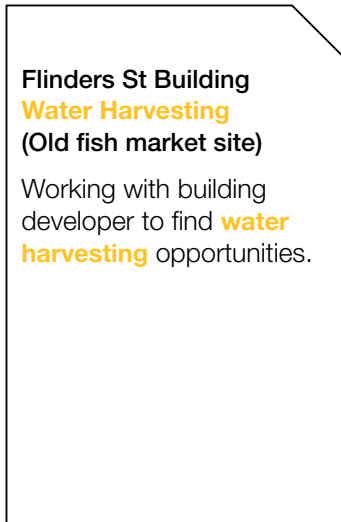
water sensitive urban design



major projects

in progress

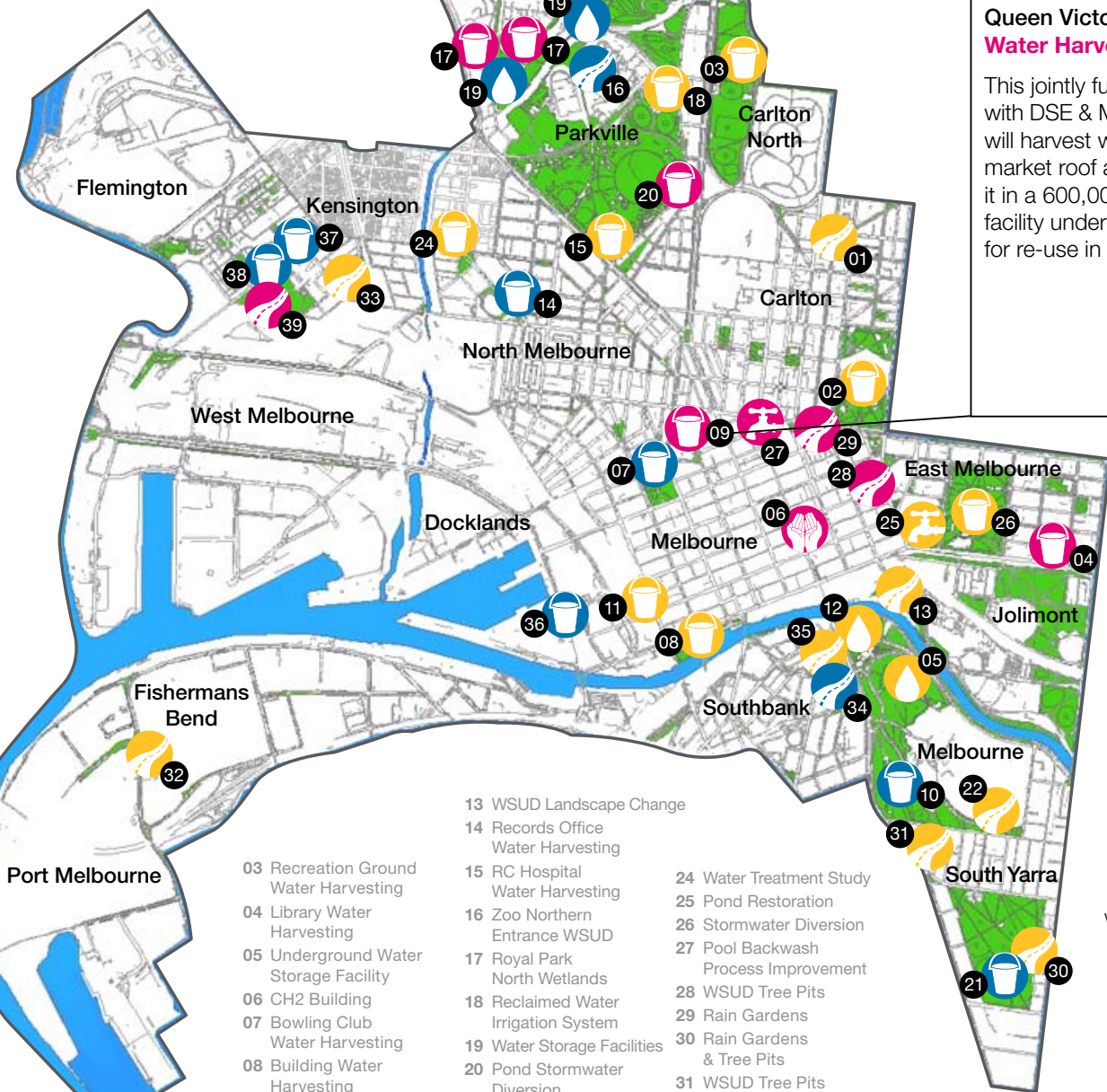
main map



major projects

in progress

main map



Queen Victoria Market
Water Harvesting Project

This jointly funded project with DSE & Melbourne Water will harvest water from the market roof area and collect it in a 600,000L storage facility under Queen Street for re-use in public toilets.

- Melbourne**

South Yarra

 - 01 Housing Estate Water Harvesting
 - 02 Roof Water Harvesting Project
 - 03 Recreation Ground Water Harvesting
 - 04 Library Water Harvesting
 - 05 Underground Water Storage Facility
 - 06 CH2 Building
 - 07 Bowling Club Water Harvesting
 - 08 Building Water Harvesting
 - 09 QV Market Water Harvesting
 - 10 Shrine Water Harvesting
 - 11 Station Roof Water Harvesting
 - 12 Water Storage Facility
 - 13 WSUD Landscape Change
 - 14 Records Office Water Harvesting
 - 15 RC Hospital Water Harvesting
 - 16 Zoo Northern Entrance WSUD
 - 17 Royal Park North Wetlands
 - 18 Reclaimed Water Irrigation System
 - 19 Water Storage Facilities
 - 20 Pond Stormwater Diversion
 - 21 Pavilion Water Harvesting
 - 22 WSUD Tan Track Reconstruction
 - 23 Machinery Wash Down Facility
 - 24 Water Treatment Study
 - 25 Pond Restoration
 - 26 Stormwater Diversion
 - 27 Pool Backwash Process Improvement
 - 28 WSUD Tree Pits
 - 29 Rain Gardens
 - 30 Rain Gardens & Tree Pits
 - 31 WSUD Tree Pits
 - 32 Rain Gardens
 - 33 WSUD Tree Pits
 - 34 Rain Gardens
 - 35 Rain Gardens
 - 36 Docklands Park Wetlands System
 - 37 Community Centre Water Harvesting
 - 38 Playground Building Water Harvesting
 - 39 Rain Gardens & Tree Pits

water harvesting



water delivery
efficiencies



Water Storage



sustainable
development



water sensitive
urban design



Water Saving Initiatives

major projects

completed

in progress

proposed


main map



Shrine of Remembrance Water Harvesting

Water to be harvested from the building and stored in a one million litre storage facility for re-use on landscape around the Shrine.

- | | | | | |
|---------------------------------------|----------------------------------|--------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration | 38 Playground Building Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion | 39 Rain Gardens & Tree Pits |
| 04 Library Water Harvesting | | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement | |
| 05 Underground Water Storage Facility | | 17 Royal Park North Wetlands | 28 WSUD Tree Pits | |
| 06 CH2 Building | | 18 Reclaimed Water Irrigation System | 29 Rain Gardens | |
| 07 Bowling Club Water Harvesting | | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits | |
| 08 Building Water Harvesting | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits | |
| 09 QV Market Water Harvesting | | 21 Pavilion Water Harvesting | 32 Rain Gardens | |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits | |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens | |
| | | | 35 Rain Gardens | |
| | | | 36 Docklands Park Wetlands System | |

water harvesting 

water delivery efficiencies 

Water Storage 

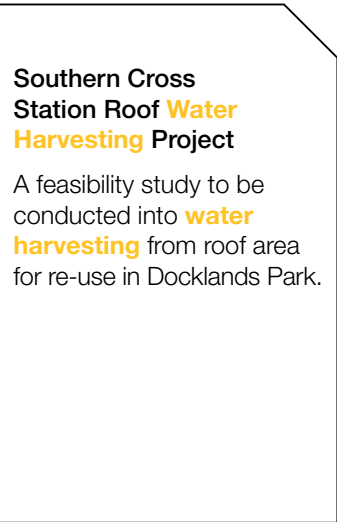
sustainable development 

water sensitive urban design 

major projects

in progress

main map



Water Saving Initiatives

major projects

completed

in progress

proposed

main map



Alexandra Gardens Water Storage Facility

An underground pooling system was created to prevent flooding in the gardens. A feasibility study to be conducted into converting this existing system into a **water storage** facility.

- | | | | | | |
|---------------------------------------|----------------------------------|----------------------------------|--------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 13 WSUD Landscape Change | 24 Water Treatment Study | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 14 Records Office Water Harvesting | 25 Pond Restoration | 38 Playground Building Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion | 39 Rain Gardens & Tree Pits |
| 04 Library Water Harvesting | | | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement | |
| 05 Underground Water Storage Facility | | | 17 Royal Park North Wetlands | 28 WSUD Tree Pits | |
| 06 CH2 Building | | | 18 Reclaimed Water Irrigation System | 29 Rain Gardens | |
| 07 Bowling Club Water Harvesting | | | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits | |
| 08 Building Water Harvesting | | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits | |
| 09 QV Market Water Harvesting | | | 21 Pavilion Water Harvesting | 32 Rain Gardens | |
| | | | | 33 WSUD Tree Pits | |
| | | | | 34 Rain Gardens | |
| | | | | 35 Rain Gardens | |
| | | | | 36 Docklands Park Wetlands System | |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design



major projects

in progress

main map



- ## 01 Housing Estate Water Harvesting

- 03 Recreation Ground
Water Harvesting
- 04 Library Water
Harvesting
- 05 Underground Water
Storage Facility
- 06 CH2 Building
- 07 Bowling Club
Water Harvesting
- 08 Building Water
Harvesting
- 09 QV Market
Water Harvesting
- 10 Shrine Water Harvesting
- 11 Station Roof
Water Harvesting
- 12 Water Storage Facility

- | | | |
|-----------|--------------------------------------|--|
| 13 | WSUD Landscape Change | |
| 14 | Records Office
Water Harvesting | |
| 15 | RC Hospital
Water Harvesting | 24 Water Treatment Study |
| 16 | Zoo Northern
Entrance WSUD | 25 Pond Restoration |
| 17 | Royal Park
North Wetlands | 26 Stormwater Diversion |
| 18 | Reclaimed Water
Irrigation System | 27 Pool Backwash
Process Improvement |
| 19 | Water Storage Facilities | 28 WSUD Tree Pits |
| 20 | Pond Stormwater
Diversion | 29 Rain Gardens |
| 21 | Pavilion Water
Harvesting | 30 Rain Gardens
& Tree Pits |
| 22 | WSUD Tan Track
Reconstruction | 31 WSUD Tree Pits |
| 23 | Machinery Wash
Down Facility | 32 Rain Gardens |
| | | 33 WSUD Tree Pits |
| | | 34 Rain Gardens |
| | | 35 Rain Gardens |
| | | 36 Docklands Park
Wetlands System |

- | | | |
|----|--------------------------------------|---|
| 24 | Water Treatment Study | |
| 25 | Pond Restoration | |
| 26 | Stormwater Diversion | |
| 27 | Pool Backwash
Process Improvement | |
| 28 | WSUD Tree Pits | |
| 29 | Rain Gardens | |
| 30 | Rain Gardens
& Tree Pits | |
| 31 | WSUD Tree Pits | |
| 32 | Rain Gardens | |
| 33 | WSUD Tree Pits | 3 |
| 34 | Rain Gardens | |
| 35 | Rain Gardens | 3 |
| 36 | Docklands Park
Wetlands System | 3 |

- 37 Community Centre
Water Harvesting
- 38 Playground Building
Water Harvesting
- 39 Rain Gardens & Tree Pits

A feasibility study into capturing and re-using water more effectively on site including **WSUD** landscape change.

water harvesting



water delivery
efficiencies



Water Storage



sustainable
development



water sensitive
urban design



main map

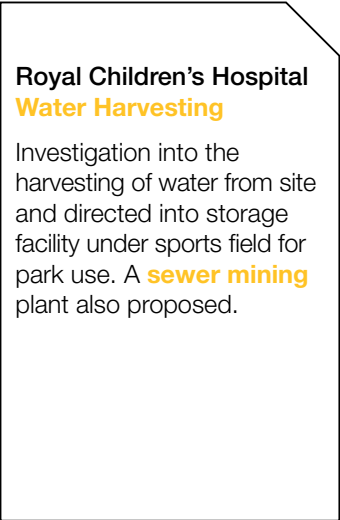
in progress



major projects

in progress

main map



Water Saving Initiatives major projects

completed

in progress

proposed

main map



Royal Park Zoo Northern Entrance WSUD Redevelopment

This project involved Melbourne Water funding to incorporate **WSUD** principles into the redesign of the Zoo's Northern Entrance.

- | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|----------------------------------|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|-----------------------------|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 13 WSUD Landscape Change | 24 Water Treatment Study | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 14 Records Office Water Harvesting | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | |
| | 12 Water Storage Facility | | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | |
| | | | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | |
| | | | 17 Royal Park North Wetlands | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | |
| | | | 18 Reclaimed Water Irrigation System | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | |
| | | | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | |
| | | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | | |
| | | | 21 Pavilion Water Harvesting | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | | | |
| | | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | | | | |
| | | | 23 Machinery Wash Down Facility | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | | | | | |

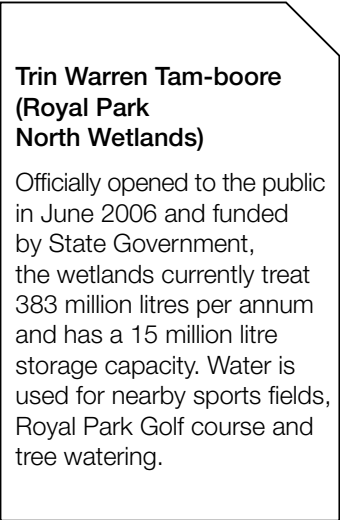
- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

completed

in progress

proposed

main map



main map

in progress

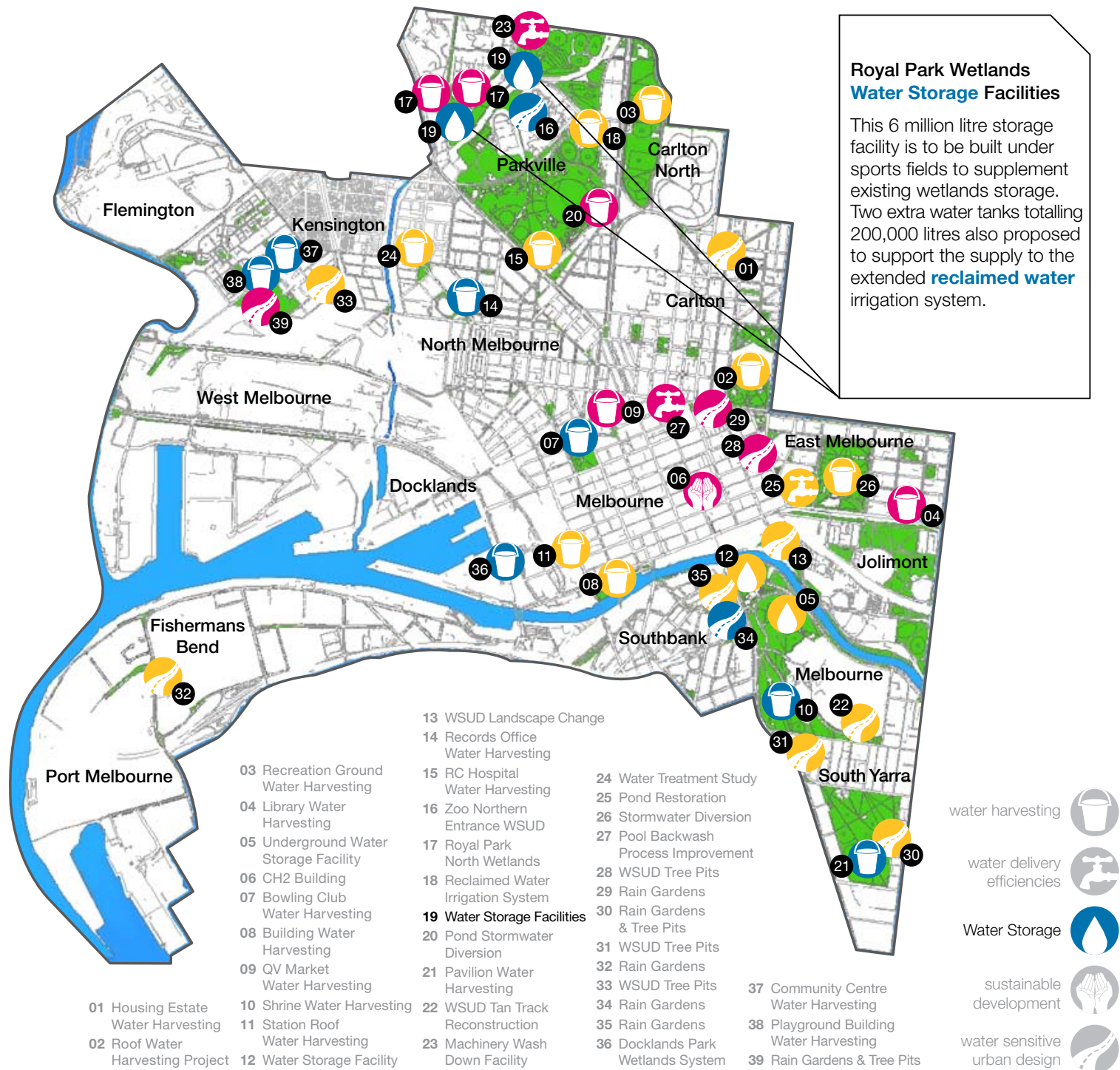


completed

in progress

proposed

main map



Water Saving Initiatives

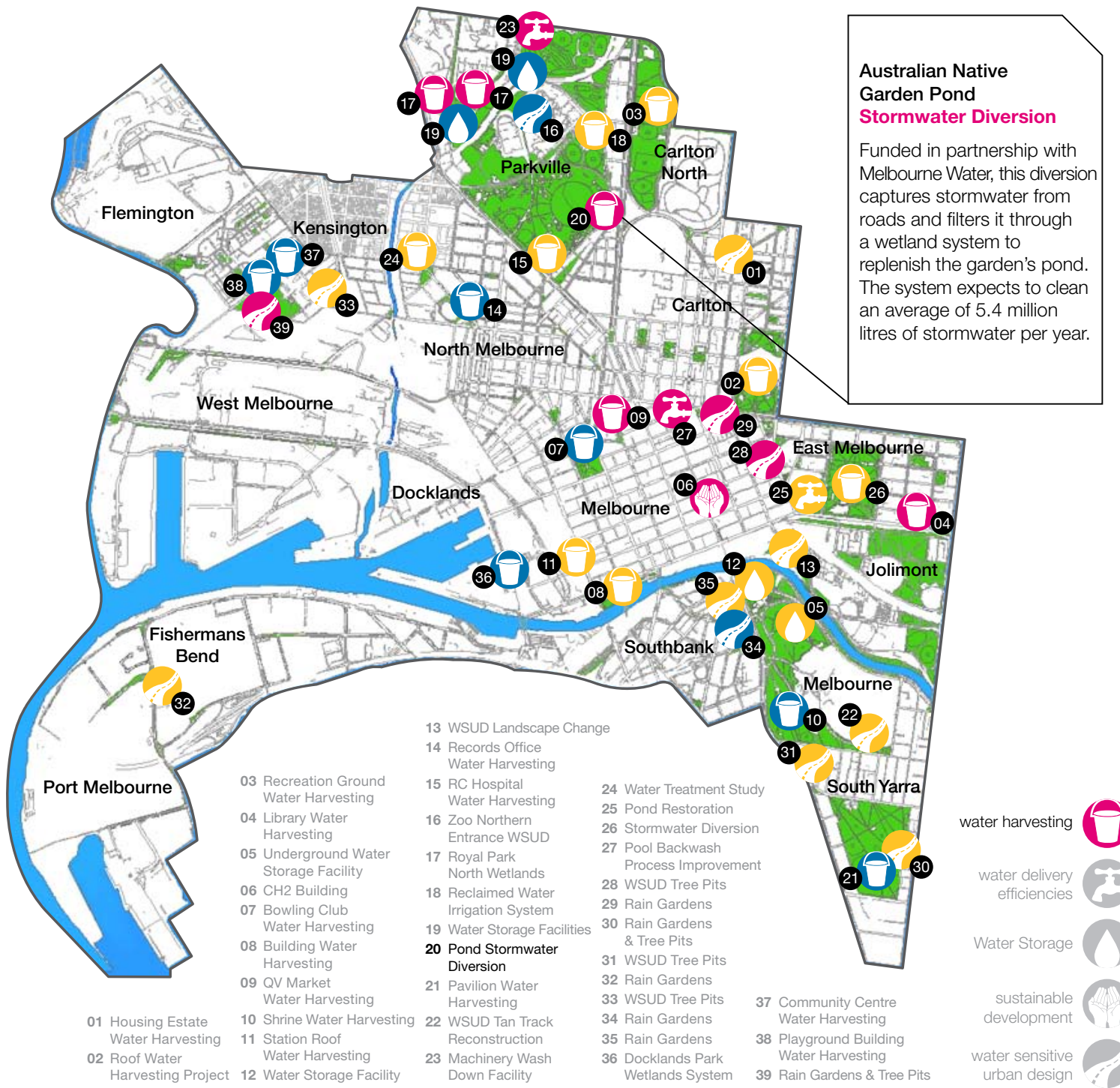
major projects

completed

in progress

proposed

main map



main map

in progress



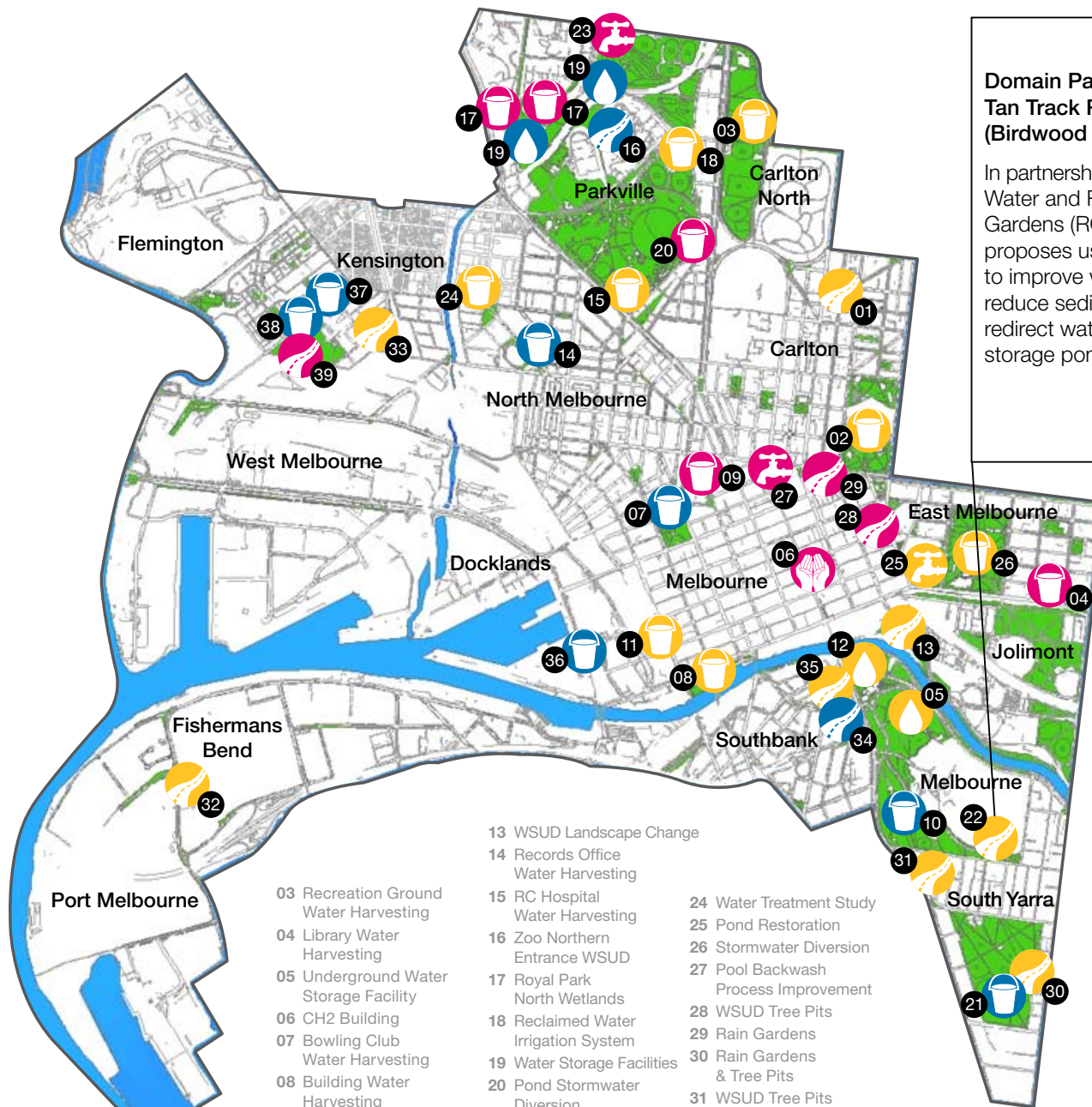
Water Saving Initiatives major projects

completed

in progress

proposed

main map



- | | | |
|---------------------------------------|----------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | |
| 04 Library Water Harvesting | | 13 WSUD Landscape Change |
| 05 Underground Water Storage Facility | | 14 Records Office Water Harvesting |
| 06 CH2 Building | | 15 RC Hospital Water Harvesting |
| 07 Bowling Club Water Harvesting | | 16 Zoo Northern Entrance WSUD |
| 08 Building Water Harvesting | | 17 Royal Park North Wetlands |
| 09 QV Market Water Harvesting | | 18 Reclaimed Water Irrigation System |
| | | 19 Water Storage Facilities |
| | | 20 Pond Stormwater Diversion |
| | | 21 Pavilion Water Harvesting |
| | | 24 Water Treatment Study |
| | | 25 Pond Restoration |
| | | 26 Stormwater Diversion |
| | | 27 Pool Backwash Process Improvement |
| | | 28 WSUD Tree Pits |
| | | 29 Rain Gardens |
| | | 30 Rain Gardens & Tree Pits |
| | | 31 WSUD Tree Pits |
| | | 32 Rain Gardens |
| | | 33 WSUD Tree Pits |
| | | 34 Rain Gardens |
| | | 35 Rain Gardens |
| | | 36 Docklands Park Wetlands System |
| | | |
| | | 37 Community Centre Water Harvesting |
| | | 38 Playground Building Water Harvesting |
| | | 39 Rain Gardens & Tree Pits |

Domain Parklands **WSUD** Tan Track Reconstruction (Birdwood Ave Section)

In partnership with Melbourne Water and Royal Botanic Gardens (RGB), the project proposes using **WSUD** to improve water quality, reduce sediment loads and redirect water into RGB storage ponds.

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

major projects

completed

in progress

proposed

main map



Royal Park North Machinery Wash Down Facility

A wash down facility is used for decontaminating machinery used in maintaining parks. The system recycles water used for cleaning through biological filter tanks for re-use.

- | | | | | |
|------------------------------------|----------------------------------|----------------------------------|---------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 19 Water Storage Facilities | 28 WSUD Tree Pits | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 20 Pond Stormwater Diversion | 29 Rain Gardens | 38 Playground Building Water Harvesting |
| | 12 Water Storage Facility | 21 Pavilion Water Harvesting | 30 Rain Gardens & Tree Pits | 39 Rain Gardens & Tree Pits |
| | | 22 WSUD Tan Track Reconstruction | 31 WSUD Tree Pits | |
| | | 23 Machinery Wash Down Facility | 32 Rain Gardens | |
| | | | 33 WSUD Tree Pits | |
| | | | 34 Rain Gardens | |
| | | | 35 Rain Gardens | |
| | | | 36 Docklands Park Wetlands System | |
| | | | 24 Water Treatment Study | |
| | | | 25 Pond Restoration | |
| | | | 26 Stormwater Diversion | |
| | | | 27 Pool Backwash Process Improvement | |
| | | | 13 WSUD Landscape Change | |
| | | | 14 Records Office Water Harvesting | |
| | | | 15 RC Hospital Water Harvesting | |
| | | | 16 Zoo Northern Entrance WSUD | |
| | | | 17 Royal Park North Wetlands | |
| | | | 18 Reclaimed Water Irrigation System | |
| | | | 03 Recreation Ground Water Harvesting | |
| | | | 04 Library Water Harvesting | |
| | | | 05 Underground Water Storage Facility | |
| | | | 06 CH2 Building | |
| | | | 07 Bowling Club Water Harvesting | |
| | | | 08 Building Water Harvesting | |
| | | | 09 QV Market Water Harvesting | |

- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

Water Saving Initiatives

major projects

- completed
- in progress
- proposed

main map



Moonee Ponds Creek Water Treatment Study

This feasibility study will look at improving water catchment and treatment through a wetland system.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

Water Saving Initiatives

major projects

- completed
- in progress
- proposed

main map



Treasury Gardens Pond Restoration

Upgrade to occur to existing pond to improve pond construction and to rectify water retention issues.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

major projects

in progress

main map



Water Saving Initiatives

major projects

completed

in progress

proposed

[main map](#)

Melbourne City Baths Backwash Process Improvement

Improved monitoring tools identified for cleaning the pools' filtration system was implemented in September 2007. This resulted in a significant reduction in water used while maintaining water quality. Estimated water saving is 345,000 litres per annum.

- Melbourne**

South Yarra

 - 01 Housing Estate Water Harvesting
 - 02 Roof Water Harvesting Project
 - 03 Recreation Ground Water Harvesting
 - 04 Library Water Harvesting
 - 05 Underground Water Storage Facility
 - 06 CH2 Building
 - 07 Bowling Club Water Harvesting
 - 08 Building Water Harvesting
 - 09 QV Market Water Harvesting
 - 10 Shrine Water Harvesting
 - 11 Station Roof Water Harvesting
 - 12 Water Storage Facility
 - 13 WSUD Landscape Change
 - 14 Records Office Water Harvesting
 - 15 RC Hospital Water Harvesting
 - 16 Zoo Northern Entrance WSUD
 - 17 Royal Park North Wetlands
 - 18 Reclaimed Water Irrigation System
 - 19 Water Storage Facilities
 - 20 Pond Stormwater Diversion
 - 21 Pavilion Water Harvesting
 - 22 WSUD Tan Track Reconstruction
 - 23 Machinery Wash Down Facility
 - 24 Water Treatment Study
 - 25 Pond Restoration
 - 26 Stormwater Diversion
 - 27 Pool Backwash Process Improvement
 - 28 WSUD Tree Pits
 - 29 Rain Gardens
 - 30 Rain Gardens & Tree Pits
 - 31 WSUD Tree Pits
 - 32 Rain Gardens
 - 33 WSUD Tree Pits
 - 34 Rain Gardens
 - 35 Rain Gardens
 - 36 Docklands Park Wetlands System
 - 37 Community Centre Water Harvesting
 - 38 Playground Building Water Harvesting
 - 39 Rain Gardens & Tree Pits

water harvesting

water delivery
efficiencies

Water Storage

sustainable
development

water sensitive
urban design

Water Saving Initiatives major projects

completed

in progress

proposed

main map



CBD WSUD Tree Pits

This street treatment is designed to capture stormwater runoff then re-direct it into sunken pits to maintain tree health. These projects were funded in partnership with Melbourne Water.

Found in:

Little Bourke St (*completed*)
 Little Collins St (*completed*)
 Flinders Lane (*completed*)
 Little La Trobe St (*proposed*)
 East Melbourne Streets (*proposed*)

- | | | | | | |
|---------------------------------------|----------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study | 28 WSUD Tree Pits | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration | 29 Rain Gardens | 38 Playground Building Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion | 30 Rain Gardens & Tree Pits | 39 Rain Gardens & Tree Pits |
| 04 Library Water Harvesting | | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement | 31 WSUD Tree Pits | |
| 05 Underground Water Storage Facility | | 17 Royal Park North Wetlands | | 32 Rain Gardens | |
| 06 CH2 Building | | 18 Reclaimed Water Irrigation System | | 33 WSUD Tree Pits | |
| 07 Bowling Club Water Harvesting | | 19 Water Storage Facilities | | 34 Rain Gardens | |
| 08 Building Water Harvesting | | 20 Pond Stormwater Diversion | | 35 Rain Gardens | |
| 09 QV Market Water Harvesting | | 21 Pavilion Water Harvesting | | 36 Docklands Park Wetlands System | |
| | | 22 WSUD Tan Track Reconstruction | | | |
| | | 23 Machinery Wash Down Facility | | | |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design



Water Saving Initiatives major projects

completed

in progress

proposed

main map



Davisons Place Rain Gardens

A **biological system** specifically designed to reduce stormwater runoff speed while improving water quality. Typically, a rain garden profile is a drained loamy sand layer with vegetation on top. This project was funded in partnership with Melbourne Water.

- | | | |
|---|----------------------------------|----------------------------------|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | |
| 04 Library Water Harvesting | | |
| 05 Underground Water Storage Facility | | |
| 06 CH2 Building | | |
| 07 Bowling Club Water Harvesting | | |
| 08 Building Water Harvesting | | |
| 09 QV Market Water Harvesting | | |
| 13 WSUD Landscape Change | | |
| 14 Records Office Water Harvesting | | |
| 15 RC Hospital Water Harvesting | | |
| 16 Zoo Northern Entrance WSUD | | |
| 17 Royal Park North Wetlands | | |
| 18 Reclaimed Water Irrigation System | | |
| 19 Water Storage Facilities | | |
| 20 Pond Stormwater Diversion | | |
| 21 Pavilion Water Harvesting | | |
| 24 Water Treatment Study | | |
| 25 Pond Restoration | | |
| 26 Stormwater Diversion | | |
| 27 Pool Backwash Process Improvement | | |
| 28 WSUD Tree Pits | | |
| 29 Rain Gardens | | |
| 30 Rain Gardens & Tree Pits | | |
| 31 WSUD Tree Pits | | |
| 32 Rain Gardens | | |
| 33 WSUD Tree Pits | | |
| 34 Rain Gardens | | |
| 35 Rain Gardens | | |
| 36 Docklands Park Wetlands System | | |
| 37 Community Centre Water Harvesting | | |
| 38 Playground Building Water Harvesting | | |
| 39 Rain Gardens & Tree Pits | | |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design



Water Saving Initiatives

major projects

completed

in progress

proposed

main map



Sth Yarra WSUD Tree Pits

This street treatment is designed to capture stormwater runoff then re-direct it into sunken pits to maintain tree health. Funded in partnership with Melbourne Water.

Found in:

Acland St (completed)
St Kilda Rd (proposed)

- Melbourne**

South Yarra

Legend:

 - 01 Housing Estate Water Harvesting
 - 02 Roof Water Harvesting Project
 - 03 Recreation Ground Water Harvesting
 - 04 Library Water Harvesting
 - 05 Underground Water Storage Facility
 - 06 CH2 Building
 - 07 Bowling Club Water Harvesting
 - 08 Building Water Harvesting
 - 09 QV Market Water Harvesting
 - 10 Shrine Water Harvesting
 - 11 Station Roof Water Harvesting
 - 12 Water Storage Facility
 - 13 WSUD Landscape Change
 - 14 Records Office Water Harvesting
 - 15 RC Hospital Water Harvesting
 - 16 Zoo Northern Entrance WSUD
 - 17 Royal Park North Wetlands
 - 18 Reclaimed Water Irrigation System
 - 19 Water Storage Facilities
 - 20 Pond Stormwater Diversion
 - 21 Pavilion Water Harvesting
 - 22 WSUD Tan Track Reconstruction
 - 23 Machinery Wash Down Facility
 - 24 Water Treatment Study
 - 25 Pond Restoration
 - 26 Stormwater Diversion
 - 27 Pool Backwash Process Improvement
 - 28 WSUD Tree Pits
 - 29 Rain Gardens
 - 30 Rain Gardens & Tree Pits
 - 31 WSUD Tree Pits
 - 32 Rain Gardens
 - 33 WSUD Tree Pits
 - 34 Rain Gardens
 - 35 Rain Gardens
 - 36 Docklands Park Wetlands System
 - 37 Community Centre Water Harvesting
 - 38 Playground Building Water Harvesting
 - 39 Rain Gardens & Tree Pits

Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 km

water harvesting 

water delivery
efficiencies

Water Storage 

sustainable
development

water sensitive
urban design

Water Saving Initiatives major projects

completed

in progress

proposed

main map



- | | | | | | |
|---------------------------------------|----------------------------------|----------------------------------|--------------------------------------|-----------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 13 WSUD Landscape Change | 24 Water Treatment Study | 25 Pond Restoration |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 14 Records Office Water Harvesting | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | | 15 RC Hospital Water Harvesting | 28 WSUD Tree Pits | 29 Rain Gardens |
| 04 Library Water Harvesting | | | 16 Zoo Northern Entrance WSUD | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits |
| 05 Underground Water Storage Facility | | | 17 Royal Park North Wetlands | 32 Rain Gardens | 33 WSUD Tree Pits |
| 06 CH2 Building | | | 18 Reclaimed Water Irrigation System | 34 Rain Gardens | 35 Rain Gardens |
| 07 Bowling Club Water Harvesting | | | 19 Water Storage Facilities | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting |
| 08 Building Water Harvesting | | | 20 Pond Stormwater Diversion | | 38 Playground Building Water Harvesting |
| 09 QV Market Water Harvesting | | | 21 Pavilion Water Harvesting | | 39 Rain Gardens & Tree Pits |

Todd Road Rain Gardens

A **biological system** specifically designed to reduce stormwater runoff speed while improving water quality. Typically, a rain garden profile is a drained loamy sand layer with vegetation on top.

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives major projects

completed

in progress

proposed

main map



Kensington WSUD Tree Pits

This street treatment is designed to capture stormwater runoff then re-direct it into sunken pits to maintain tree health.

Found in:
Bellair St (*proposed*)

- | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|----------------------------------|---------------------------------------|------------------------------------|----------------------------------|-------------------------------|-------------------------------|--------------------------------------|----------------------------------|------------------------------|------------------------------|------------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---|----------------------------------|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 13 WSUD Landscape Change | 24 Water Treatment Study | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 14 Records Office Water Harvesting | 15 RC Hospital Water Harvesting | 16 Zoo Northern Entrance WSUD | 17 Royal Park North Wetlands | 18 Reclaimed Water Irrigation System | 19 Water Storage Facilities | 20 Pond Stormwater Diversion | 21 Pavilion Water Harvesting | 22 WSUD Tan Track Reconstruction | 23 Machinery Wash Down Facility | 24 Water Treatment Study | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits |
| 03 Recreation Ground Water Harvesting | 04 Library Water Harvesting | 05 Underground Water Storage Facility | 06 CH2 Building | 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 11 Station Roof Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | 14 Records Office Water Harvesting | 15 RC Hospital Water Harvesting | 16 Zoo Northern Entrance WSUD | 17 Royal Park North Wetlands | 18 Reclaimed Water Irrigation System | 19 Water Storage Facilities | 20 Pond Stormwater Diversion | 21 Pavilion Water Harvesting | 22 WSUD Tan Track Reconstruction |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives major projects

completed

in progress

proposed

main map



Grant Street Redevelopment Rain Gardens

This streetscape redevelopment harvests stormwater from adjacent roadways and buildings. The water is then filtered through a rain garden and dry creek bed system prior to storage in a 200,000L underground tank for re-use in irrigating the landscape surrounds.

- | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|----------------------------------|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|---|---|-----------------------------|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 13 WSUD Landscape Change | 24 Water Treatment Study | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 14 Records Office Water Harvesting | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | |
| | 12 Water Storage Facility | | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | |
| | | | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | | |
| | | | 17 Royal Park North Wetlands | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | | | |
| | | | 18 Reclaimed Water Irrigation System | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | | | | |
| | | | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | | | | | |
| | | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | | | | | | |
| | | | 21 Pavilion Water Harvesting | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | | | | | | | |
| | | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | | | | | | | | |
| | | | 23 Machinery Wash Down Facility | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | | | | | | | | | | | | | |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

major projects

completed

in progress

proposed

main map



Victorian College of the Arts **Rain Gardens**

The VCA intend to collect roof water from their building and clean the water through a rain garden filtering system.

- | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 10 Shrine Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 11 Station Roof Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 12 Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| | | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

Water Saving Initiatives major projects

completed

in progress

proposed

main map



Docklands Park Wetlands, Storage and Re-use System

This system harvests stormwater from the NAB building roof and from precinct surrounds near the park. The water is then filtered through a series of wetlands prior to storage in three underground tanks with a total storage capacity of 580,000 litres for re-use in irrigating the park.

- | | | | | | |
|---------------------------------------|----------------------------------|----------------------------------|--------------------------------------|-----------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 13 WSUD Landscape Change | 24 Water Treatment Study | 25 Pond Restoration |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 14 Records Office Water Harvesting | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | | 15 RC Hospital Water Harvesting | 28 WSUD Tree Pits | 29 Rain Gardens |
| 04 Library Water Harvesting | | | 16 Zoo Northern Entrance WSUD | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits |
| 05 Underground Water Storage Facility | | | 17 Royal Park North Wetlands | 32 Rain Gardens | 33 WSUD Tree Pits |
| 06 CH2 Building | | | 18 Reclaimed Water Irrigation System | 34 Rain Gardens | 35 Rain Gardens |
| 07 Bowling Club Water Harvesting | | | 19 Water Storage Facilities | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting |
| 08 Building Water Harvesting | | | 20 Pond Stormwater Diversion | | 38 Playground Building Water Harvesting |
| 09 QV Market Water Harvesting | | | 21 Pavilion Water Harvesting | | 39 Rain Gardens & Tree Pits |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design



Water Saving Initiatives

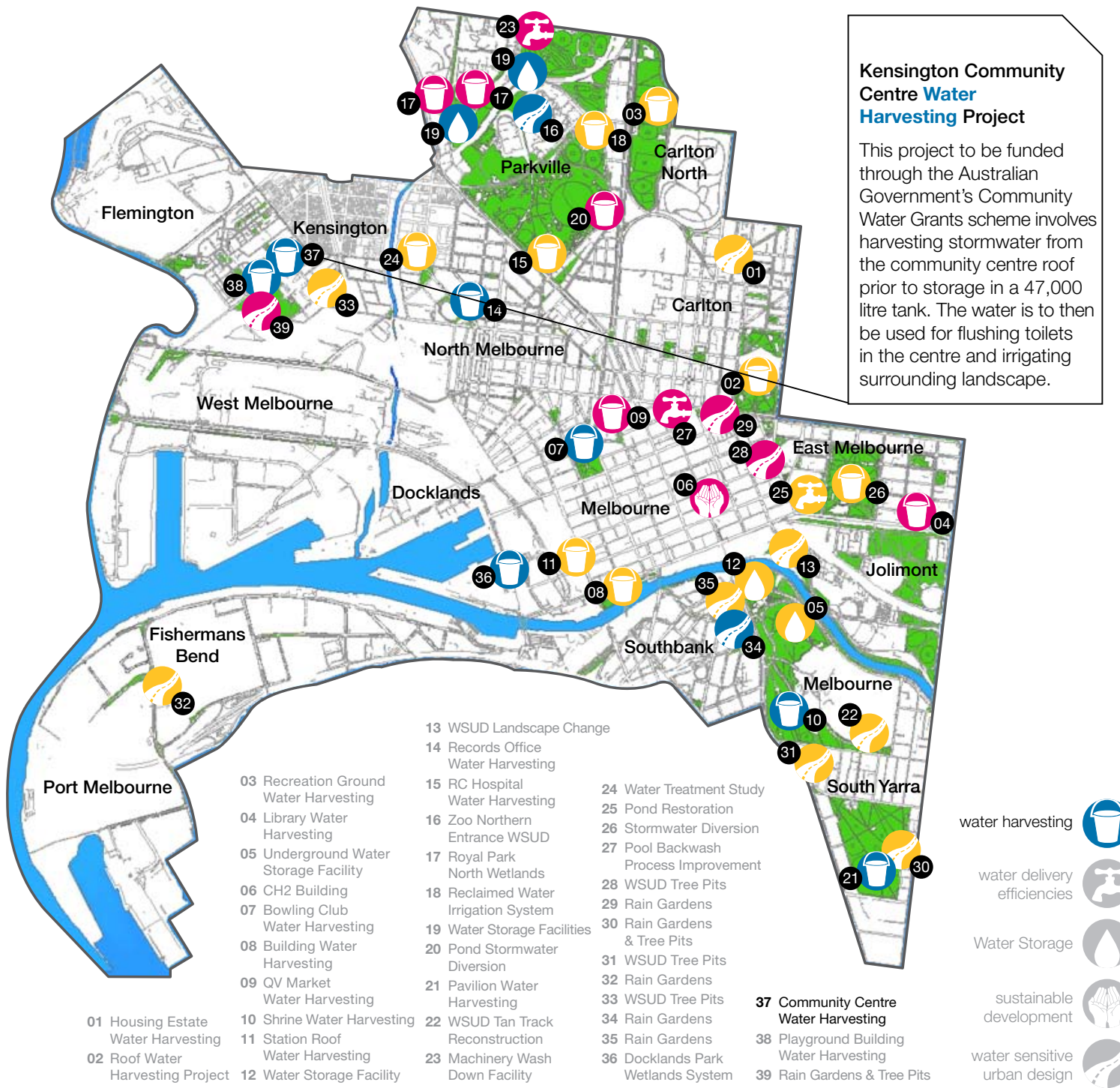
major projects

completed

in progress

proposed

main map



Water Saving Initiatives major projects

completed

in progress

proposed

main map



"The Venny" Adventure Playground Building Water Harvesting Project

This project involves the harvesting of stormwater from the building roof prior to storage in a 7,500 litre tank. The harvested water is to be used for flushing toilets and irrigating the playground.

- | | | | |
|---------------------------------------|----------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 38 Playground Building Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | 39 Rain Gardens & Tree Pits |
| 04 Library Water Harvesting | | 14 Records Office Water Harvesting | |
| 05 Underground Water Storage Facility | | 15 RC Hospital Water Harvesting | |
| 06 CH2 Building | | 16 Zoo Northern Entrance WSUD | |
| 07 Bowling Club Water Harvesting | | 17 Royal Park North Wetlands | |
| 08 Building Water Harvesting | | 18 Reclaimed Water Irrigation System | |
| 09 QV Market Water Harvesting | | 19 Water Storage Facilities | |
| | | 20 Pond Stormwater Diversion | |
| | | 21 Pavilion Water Harvesting | |
| | | 24 Water Treatment Study | |
| | | 25 Pond Restoration | |
| | | 26 Stormwater Diversion | |
| | | 27 Pool Backwash Process Improvement | |
| | | 28 WSUD Tree Pits | |
| | | 29 Rain Gardens | |
| | | 30 Rain Gardens & Tree Pits | |
| | | 31 WSUD Tree Pits | |
| | | 32 Rain Gardens | |
| | | 33 WSUD Tree Pits | |
| | | 34 Rain Gardens | |
| | | 35 Rain Gardens | |
| | | 36 Docklands Park Wetlands System | |

water harvesting 

water delivery efficiencies 

Water Storage 

sustainable development 

water sensitive urban design 

main map

in progress



Water Saving Initiatives

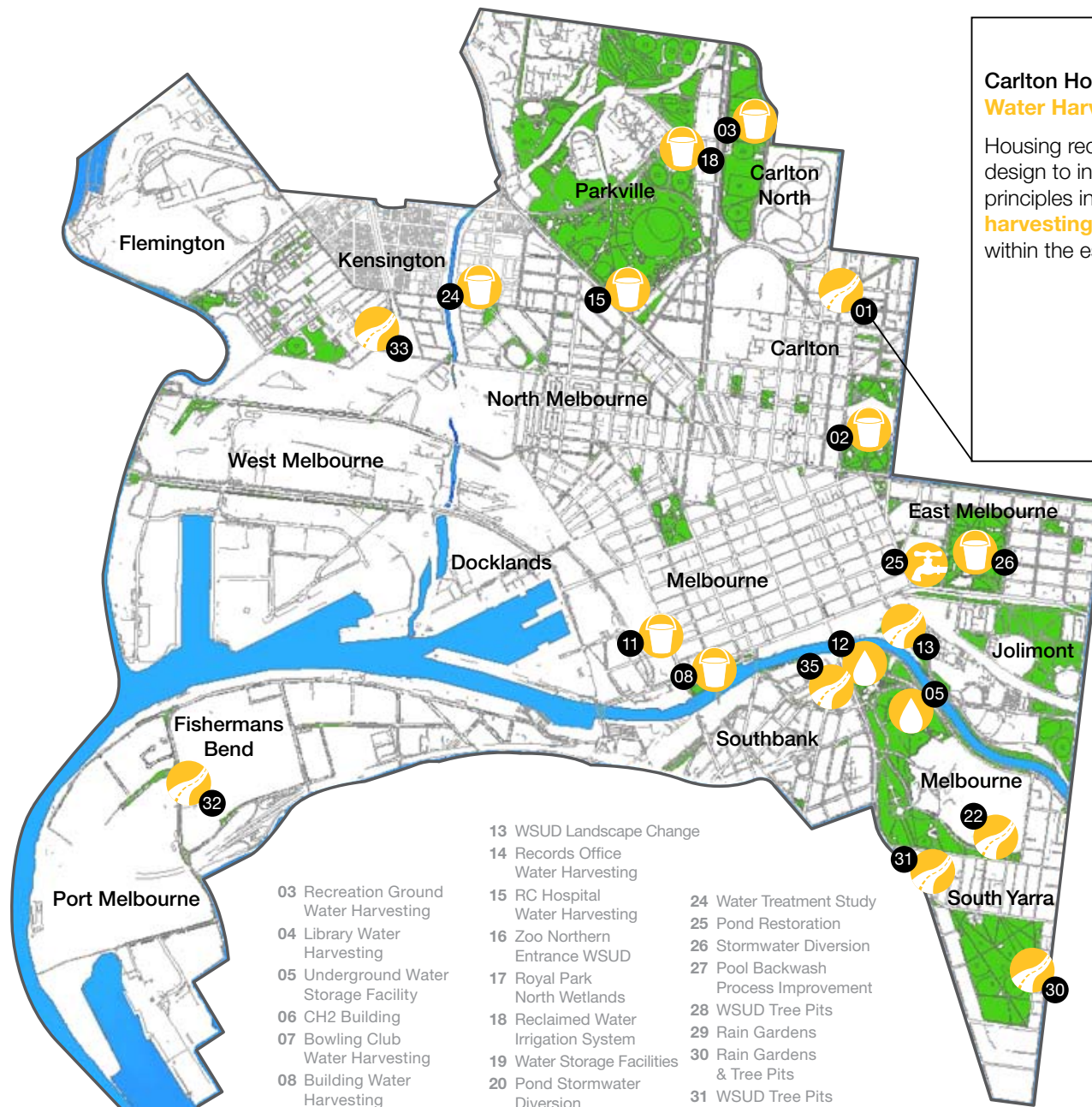
proposed projects

completed

in progress

proposed

main map



Carlton Housing Estate Water Harvesting

Housing redevelopment design to include **WSUD** principles including **water harvesting** and re-use within the estate.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 07 Bowling Club Water Harvesting | 07 Bowling Club Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 08 Building Water Harvesting | 08 Building Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 09 QV Market Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 10 Shrine Water Harvesting | 10 Shrine Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 11 Station Roof Water Harvesting | 11 Station Roof Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 12 Water Storage Facility | 12 Water Storage Facility | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Exhibition Building Roof Water Harvesting Project

Water harvested from the roof to be captured in underground storage for re-use in landscape surrounds.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

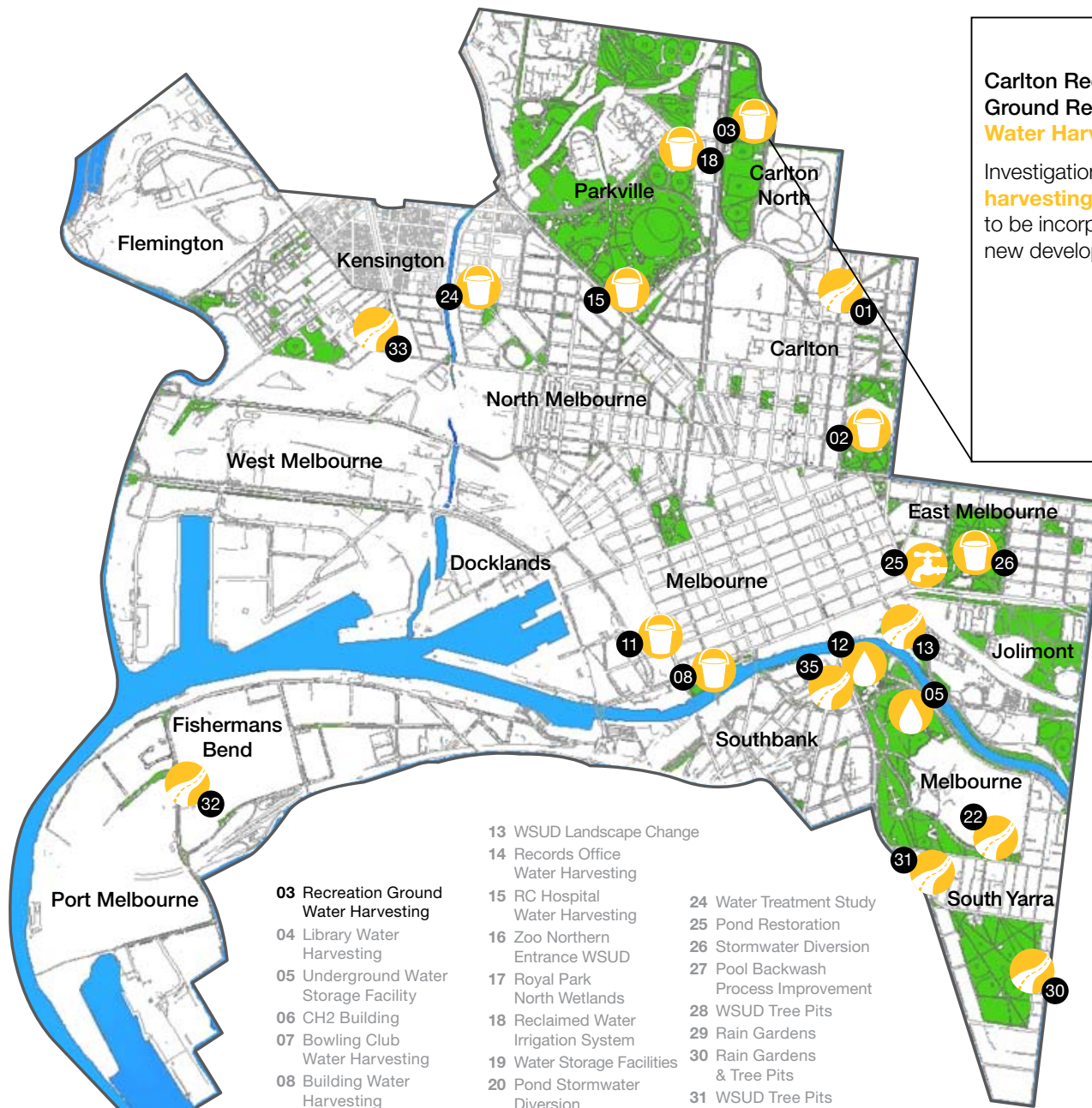
proposed projects

completed

in progress

proposed

main map



Carlton Recreation Ground Redevelopment Water Harvesting

Investigation into **water harvesting** opportunities to be incorporated into new development.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

completed projects

completed

in progress

proposed

main map



East Melbourne Library Water Harvesting

This sustainable building incorporates water saving methods such as harvesting roof water to store in a 14,000L tank system. The water is used to flush toilets and irrigate the garden.

- | | | | |
|---------------------------------------|----------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 38 Playground Building Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | 39 Rain Gardens & Tree Pits |
| 04 Library Water Harvesting | | 14 Records Office Water Harvesting | |
| 05 Underground Water Storage Facility | | 15 RC Hospital Water Harvesting | |
| 06 CH2 Building | | 16 Zoo Northern Entrance WSUD | 24 Water Treatment Study |
| 07 Bowling Club Water Harvesting | | 17 Royal Park North Wetlands | 25 Pond Restoration |
| 08 Building Water Harvesting | | 18 Reclaimed Water Irrigation System | 26 Stormwater Diversion |
| 09 QV Market Water Harvesting | | 19 Water Storage Facilities | 27 Pool Backwash Process Improvement |
| | | 20 Pond Stormwater Diversion | 28 WSUD Tree Pits |
| | | 21 Pavilion Water Harvesting | 29 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 30 Rain Gardens & Tree Pits |
| | | 23 Machinery Wash Down Facility | 31 WSUD Tree Pits |
| | | | 32 Rain Gardens |
| | | | 33 WSUD Tree Pits |
| | | | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |

water harvesting 

water delivery efficiencies 

Water Storage 

sustainable development 

water sensitive urban design 

Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Sidney Myer Music Bowl Underground Water Storage Facility

The Arts Centre intends to install a 520,000L underground **water storage** facility at the rear of the SMM Bowl for irrigating the Bowl lawns.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

completed projects

completed

in progress

proposed

main map



CH2 Building

This sustainable building has a six star energy rating. It incorporates **WSUD** and a **sewer mining** plant that harvests up to 100,000 litres per day for re-use within the building.

- | | | | |
|---------------------------------------|----------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 38 Playground Building Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | 39 Rain Gardens & Tree Pits |
| 04 Library Water Harvesting | | 14 Records Office Water Harvesting | |
| 05 Underground Water Storage Facility | | 15 RC Hospital Water Harvesting | |
| 06 CH2 Building | | 16 Zoo Northern Entrance WSUD | |
| 07 Bowling Club Water Harvesting | | 17 Royal Park North Wetlands | |
| 08 Building Water Harvesting | | 18 Reclaimed Water Irrigation System | |
| 09 QV Market Water Harvesting | | 19 Water Storage Facilities | |
| | | 20 Pond Stormwater Diversion | |
| | | 21 Pavilion Water Harvesting | |
| | | 24 Water Treatment Study | |
| | | 25 Pond Restoration | |
| | | 26 Stormwater Diversion | |
| | | 27 Pool Backwash Process Improvement | |
| | | 28 WSUD Tree Pits | |
| | | 29 Rain Gardens | |
| | | 30 Rain Gardens & Tree Pits | |
| | | 31 WSUD Tree Pits | |
| | | 32 Rain Gardens | |
| | | 33 WSUD Tree Pits | |
| | | 34 Rain Gardens | |
| | | 35 Rain Gardens | |
| | | 36 Docklands Park Wetlands System | |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives in progress projects

completed


in progress

proposed

main map



- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 07 Bowling Club Water Harvesting | 07 Bowling Club Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 08 Building Water Harvesting | 08 Building Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 09 QV Market Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 10 Shrine Water Harvesting | 10 Shrine Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 11 Station Roof Water Harvesting | 11 Station Roof Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 12 Water Storage Facility | 12 Water Storage Facility | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting 

water delivery efficiencies 

Water Storage 

sustainable development 

water sensitive urban design 

completed

in progress

proposed

[main map](#)

Water Saving Initiatives

completed projects

completed

in progress

proposed

main map



Queen Victoria Market Water Harvesting Project

This jointly funded project with DSE & Melbourne Water will harvest water from the market roof area and collect it in a 600,000L storage facility under Queen Street for re-use in public toilets.

- | | | | | |
|---------------------------------------|----------------------------------|--------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 24 Water Treatment Study | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 25 Pond Restoration | 38 Playground Building Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | 26 Stormwater Diversion | 39 Rain Gardens & Tree Pits |
| 04 Library Water Harvesting | | 14 Records Office Water Harvesting | 27 Pool Backwash Process Improvement | |
| 05 Underground Water Storage Facility | | 15 RC Hospital Water Harvesting | 28 WSUD Tree Pits | |
| 06 CH2 Building | | 16 Zoo Northern Entrance WSUD | 29 Rain Gardens | |
| 07 Bowling Club Water Harvesting | | 17 Royal Park North Wetlands | 30 Rain Gardens & Tree Pits | |
| 08 Building Water Harvesting | | 18 Reclaimed Water Irrigation System | 31 WSUD Tree Pits | |
| 09 QV Market Water Harvesting | | 19 Water Storage Facilities | 32 Rain Gardens | |
| | | 20 Pond Stormwater Diversion | 33 WSUD Tree Pits | |
| | | 21 Pavilion Water Harvesting | 34 Rain Gardens | |
| | | | 35 Rain Gardens | |
| | | | 36 Docklands Park Wetlands System | |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives in progress projects

completed

in progress

proposed


main map



Shrine of Remembrance Water Harvesting

Water to be harvested from the building and stored in a one million litre storage facility for re-use on landscape around the Shrine.

- | | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration | 38 Playground Building Water Harvesting |
| 10 Shrine Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion | 39 Rain Gardens & Tree Pits |
| 11 Station Roof Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement | |
| 12 Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits | |
| | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens | |
| | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits | |
| | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits | |
| | | 21 Pavilion Water Harvesting | 32 Rain Gardens | |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits | |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens | |
| | | | 35 Rain Gardens | |
| | | | 36 Docklands Park Wetlands System | |

water harvesting 

water delivery efficiencies 

Water Storage 

sustainable development 

water sensitive urban design 

Water Saving Initiatives

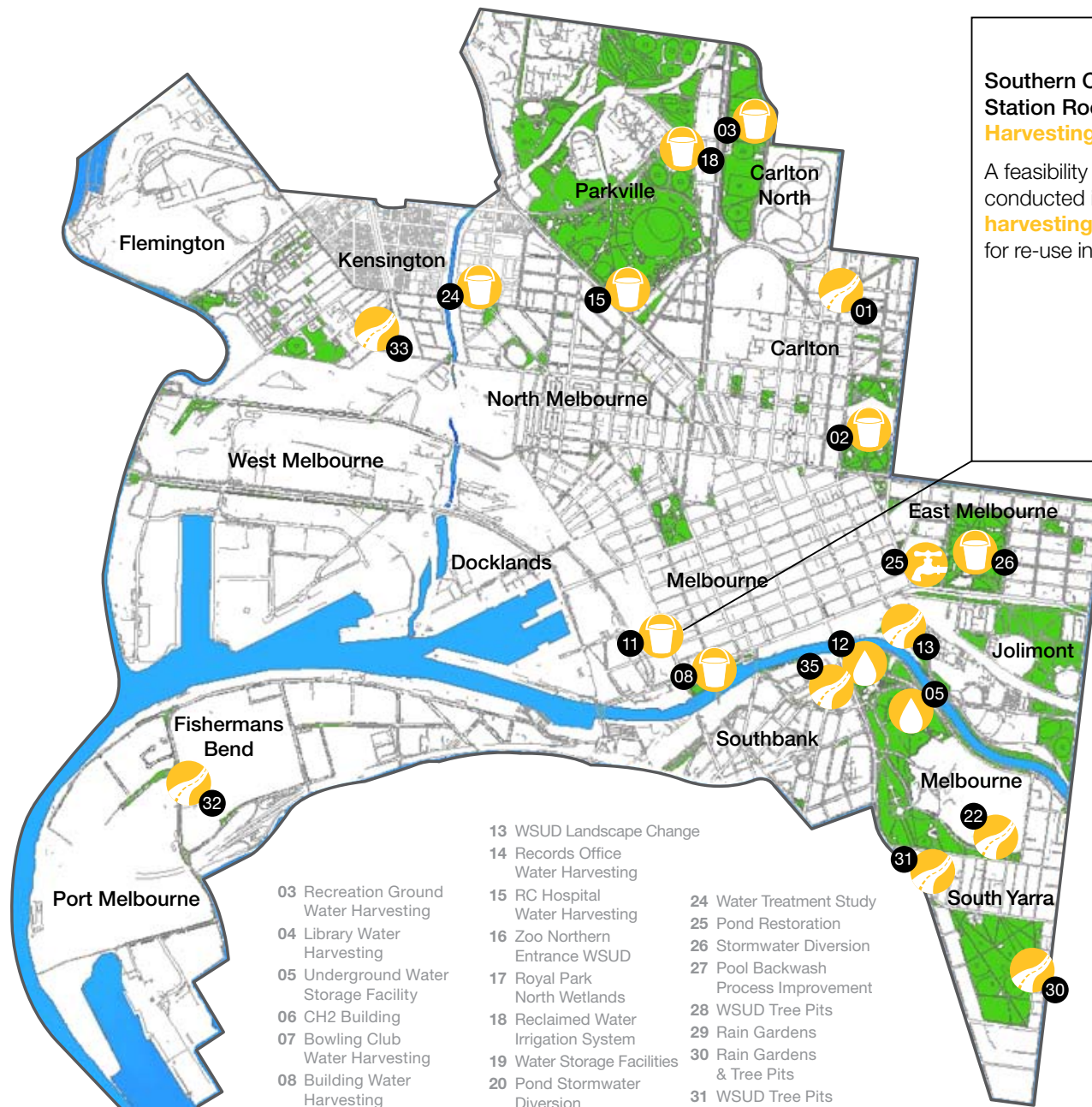
proposed projects

completed

in progress

proposed

main map



Southern Cross Station Roof Water Harvesting Project

A feasibility study to be conducted into **water harvesting** from roof area for re-use in Docklands Park.

- 01 Housing Estate Water Harvesting
- 02 Roof Water Harvesting Project
- 03 Recreation Ground Water Harvesting
- 04 Library Water Harvesting
- 05 Underground Water Storage Facility
- 06 CH2 Building
- 07 Bowling Club Water Harvesting
- 08 Building Water Harvesting
- 09 QV Market Water Harvesting
- 10 Shrine Water Harvesting
- 11 Station Roof Water Harvesting
- 12 Water Storage Facility
- 13 WSUD Landscape Change
- 14 Records Office Water Harvesting
- 15 RC Hospital Water Harvesting
- 16 Zoo Northern Entrance WSUD
- 17 Royal Park North Wetlands
- 18 Reclaimed Water Irrigation System
- 19 Water Storage Facilities
- 20 Pond Stormwater Diversion
- 21 Pavilion Water Harvesting
- 22 WSUD Tan Track Reconstruction
- 23 Machinery Wash Down Facility
- 24 Water Treatment Study
- 25 Pond Restoration
- 26 Stormwater Diversion
- 27 Pool Backwash Process Improvement
- 28 WSUD Tree Pits
- 29 Rain Gardens
- 30 Rain Gardens & Tree Pits
- 31 WSUD Tree Pits
- 32 Rain Gardens
- 33 WSUD Tree Pits
- 34 Rain Gardens
- 35 Rain Gardens
- 36 Docklands Park Wetlands System
- 37 Community Centre Water Harvesting
- 38 Playground Building Water Harvesting
- 39 Rain Gardens & Tree Pits

- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Alexandra Gardens Water Storage Facility

An underground pooling system was created to prevent flooding in the gardens. A feasibility study to be conducted into converting this existing system into a **water storage** facility.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives

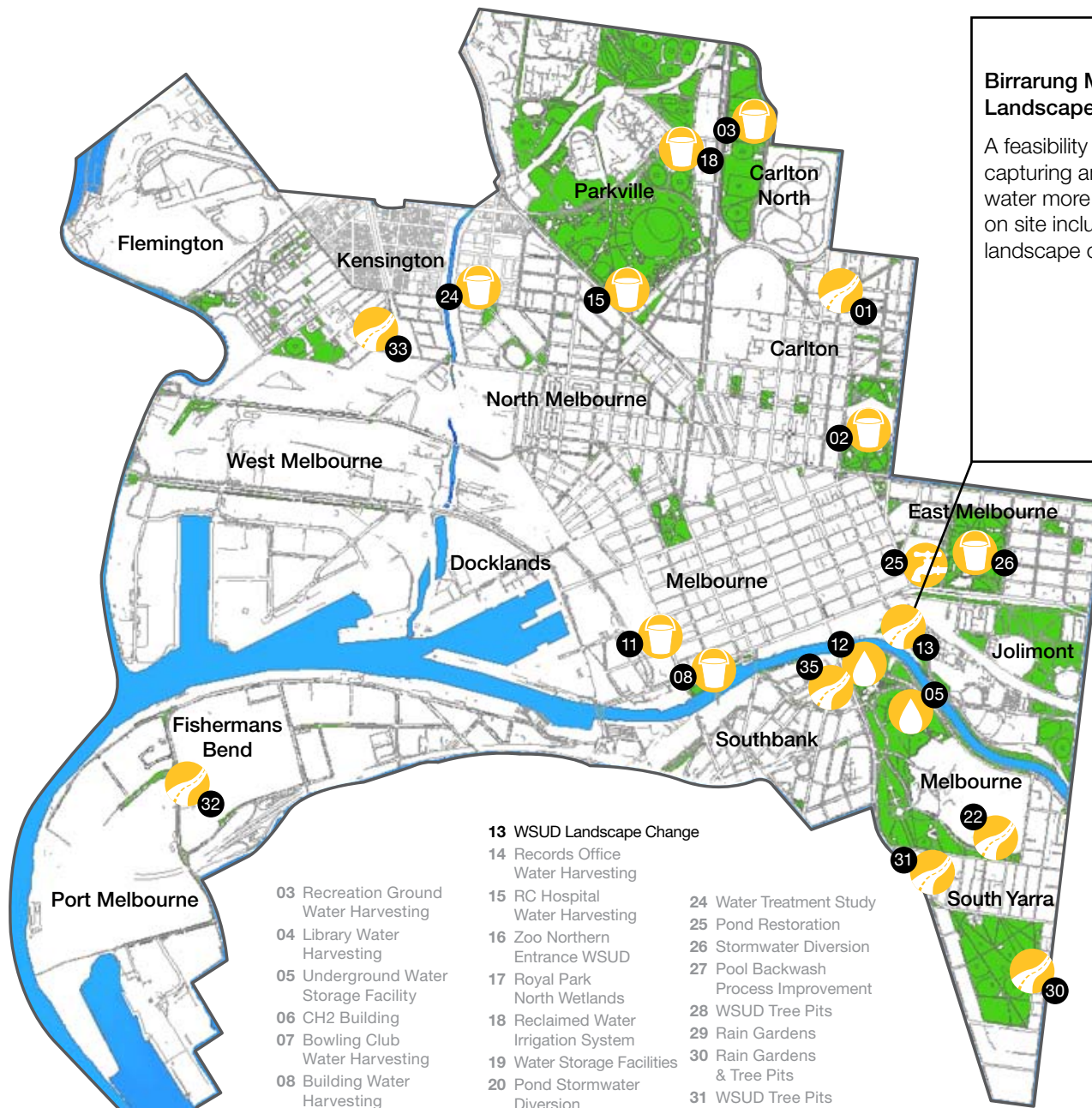
proposed projects

completed

in progress

proposed

main map



Birrarung Marr **WSUD** Landscape Change

A feasibility study into capturing and re-using water more effectively on site including **WSUD** landscape change.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives in progress projects

completed

in progress

proposed

main map



Public Records Office Water Harvesting

This project is being funded by the Australian Government Community Water Grant scheme. Water is to be harvested from roof and stored in 14 tanks with a total capacity of two million litres for re-use by the Lost Dogs Home and watering street trees.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | 12 Water Storage Facility | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| | | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| | | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Royal Children's Hospital Water Harvesting

Investigation into the harvesting of water from site and directed into storage facility under sports field for park use. A **sewer mining** plant also proposed.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting 

water delivery efficiencies 

Water Storage 

sustainable development 

water sensitive urban design 

Water Saving Initiatives in progress projects

completed

in progress

proposed

main map



Royal Park Zoo Northern Entrance WSUD Redevelopment

This project involved Melbourne Water funding to incorporate **WSUD** principles into the redesign of the Zoo's Northern Entrance.

- | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---------------------------------------|---------------------------------------|----------------------------------|-------------------------------|----------------------------------|------------------------------------|---------------------------------|--------------------------------------|------------------------------|----------------------------------|---------------------------------|-------------------------|--------------------------------------|-----------------------------|-------------------|-------------------|-----------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 13 WSUD Landscape Change | 15 RC Hospital Water Harvesting | 17 Royal Park North Wetlands | 19 Water Storage Facilities | 21 Pavilion Water Harvesting | 23 Machinery Wash Down Facility | 25 Pond Restoration | 27 Pool Backwash Process Improvement | 29 Rain Gardens | 31 WSUD Tree Pits | 33 WSUD Tree Pits | 35 Rain Gardens | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 06 CH2 Building | 08 Building Water Harvesting | 10 Shrine Water Harvesting | 12 Water Storage Facility | 14 Records Office Water Harvesting | 16 Zoo Northern Entrance WSUD | 18 Reclaimed Water Irrigation System | 20 Pond Stormwater Diversion | 22 WSUD Tan Track Reconstruction | 24 Water Treatment Study | 26 Stormwater Diversion | 28 WSUD Tree Pits | 30 Rain Gardens & Tree Pits | 32 Rain Gardens | 34 Rain Gardens | 36 Docklands Park Wetlands System | 38 Playground Building Water Harvesting |
| | 10 Shrine Water Harvesting | 11 Station Roof Water Harvesting | 12 Water Storage Facility | | | | | | | | | | | | | | | 39 Rain Gardens & Tree Pits |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives

completed projects

completed

in progress

proposed

main map



Trin Warren Tam-boore (Royal Park North Wetlands)

Officially opened to the public in June 2006 and funded by State Government, the wetlands currently treat 383 million litres per annum and has a 15 million litre storage capacity. Water is used for nearby sports fields, Royal Park Golf course and tree watering.

- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|----------------------------------|---------------------------------------|-----------------------------|---------------------------------------|-----------------|----------------------------------|------------------------------|-------------------------------|----------------------------|----------------------------------|---------------------------|--------------------------|------------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------------------|-----------------------------|------------------------------|------------------------------|----------------------------------|---------------------------------|--------------------------|---------------------|-------------------------|--------------------------------------|-------------------|-----------------|-----------------------------|-------------------|-----------------|-------------------|-----------------|-----------------|-----------------------------------|--------------------------------------|---|-----------------------------|
| 01 Housing Estate Water Harvesting | 02 Roof Water Harvesting Project | 03 Recreation Ground Water Harvesting | 04 Library Water Harvesting | 05 Underground Water Storage Facility | 06 CH2 Building | 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 11 Station Roof Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | 14 Records Office Water Harvesting | 15 RC Hospital Water Harvesting | 16 Zoo Northern Entrance WSUD | 17 Royal Park North Wetlands | 18 Reclaimed Water Irrigation System | 19 Water Storage Facilities | 20 Pond Stormwater Diversion | 21 Pavilion Water Harvesting | 22 WSUD Tan Track Reconstruction | 23 Machinery Wash Down Facility | 24 Water Treatment Study | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits |
|------------------------------------|----------------------------------|---------------------------------------|-----------------------------|---------------------------------------|-----------------|----------------------------------|------------------------------|-------------------------------|----------------------------|----------------------------------|---------------------------|--------------------------|------------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------------------|-----------------------------|------------------------------|------------------------------|----------------------------------|---------------------------------|--------------------------|---------------------|-------------------------|--------------------------------------|-------------------|-----------------|-----------------------------|-------------------|-----------------|-------------------|-----------------|-----------------|-----------------------------------|--------------------------------------|---|-----------------------------|

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Trin Warren Tam-boore (Royal Park North Wetlands) Extension of Reclaimed Water Irrigation System

The existing system was completed in 2006 and provides **reclaimed water** from the wetlands to irrigate the northern sports fields and Royal Park Golf Course. The extension will supply **reclaimed water** to irrigate eastern sports fields instead of using **potable water**.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives in progress projects

completed

in progress

proposed

main map



- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 07 Bowling Club Water Harvesting | 07 Bowling Club Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 08 Building Water Harvesting | 08 Building Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 09 QV Market Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 10 Shrine Water Harvesting | 10 Shrine Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 11 Station Roof Water Harvesting | 11 Station Roof Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 12 Water Storage Facility | 12 Water Storage Facility | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives

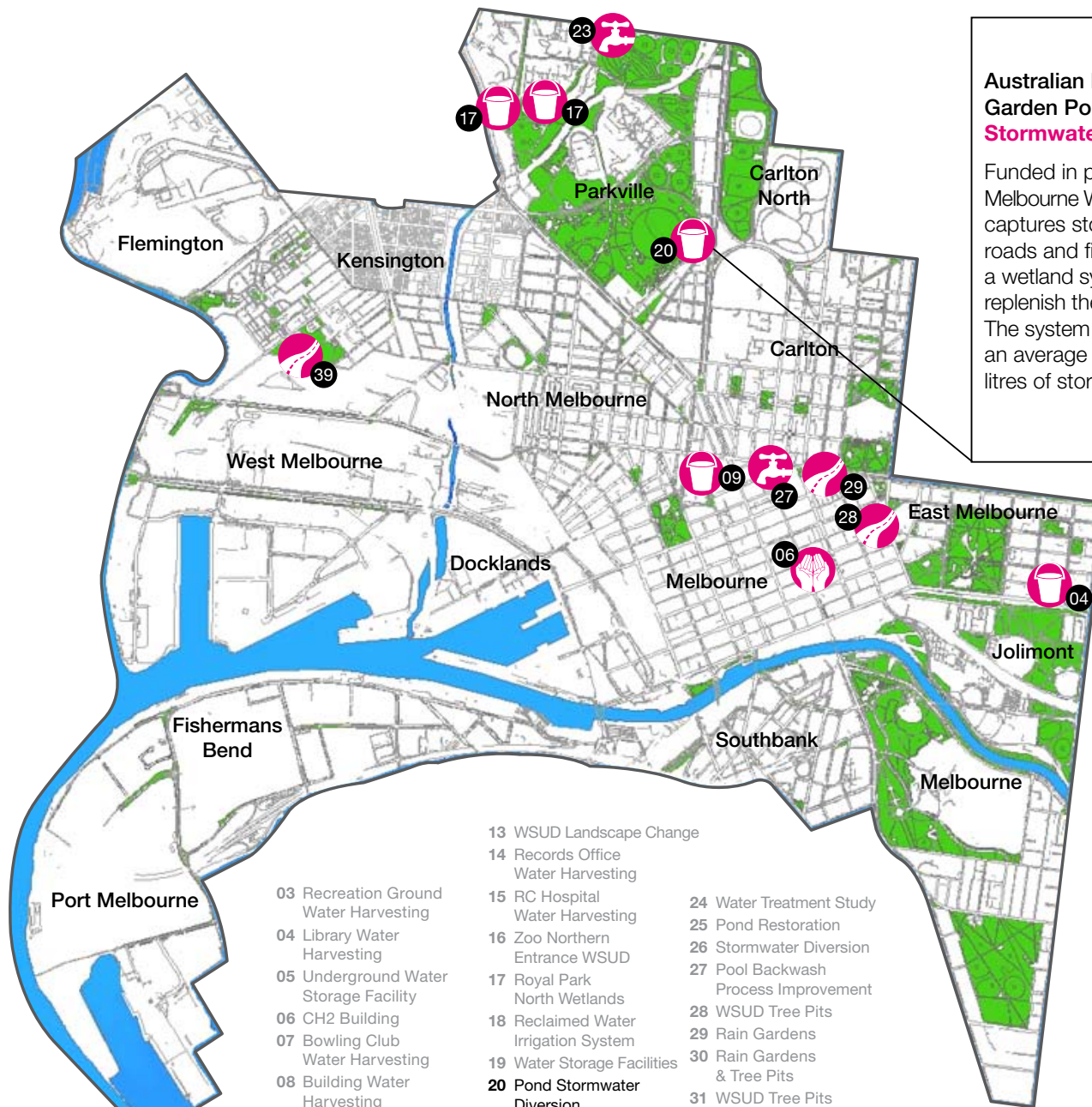
completed projects

completed

in progress

proposed

main map



Australian Native Garden Pond Stormwater Diversion

Funded in partnership with Melbourne Water, this diversion captures stormwater from roads and filters it through a wetland system to replenish the garden's pond. The system expects to clean an average of 5.4 million litres of stormwater per year.

- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|----------------------------------|---------------------------------------|-----------------------------|---------------------------------------|-----------------|----------------------------------|------------------------------|-------------------------------|----------------------------|----------------------------------|---------------------------|--------------------------|------------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------------------|-----------------------------|------------------------------|------------------------------|----------------------------------|---------------------------------|--------------------------|---------------------|-------------------------|--------------------------------------|-------------------|-----------------|-----------------------------|-------------------|-----------------|-------------------|-----------------|-----------------|-----------------------------------|--------------------------------------|---|-----------------------------|
| 01 Housing Estate Water Harvesting | 02 Roof Water Harvesting Project | 03 Recreation Ground Water Harvesting | 04 Library Water Harvesting | 05 Underground Water Storage Facility | 06 CH2 Building | 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 11 Station Roof Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | 14 Records Office Water Harvesting | 15 RC Hospital Water Harvesting | 16 Zoo Northern Entrance WSUD | 17 Royal Park North Wetlands | 18 Reclaimed Water Irrigation System | 19 Water Storage Facilities | 20 Pond Stormwater Diversion | 21 Pavilion Water Harvesting | 22 WSUD Tan Track Reconstruction | 23 Machinery Wash Down Facility | 24 Water Treatment Study | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits |
|------------------------------------|----------------------------------|---------------------------------------|-----------------------------|---------------------------------------|-----------------|----------------------------------|------------------------------|-------------------------------|----------------------------|----------------------------------|---------------------------|--------------------------|------------------------------------|---------------------------------|-------------------------------|------------------------------|--------------------------------------|-----------------------------|------------------------------|------------------------------|----------------------------------|---------------------------------|--------------------------|---------------------|-------------------------|--------------------------------------|-------------------|-----------------|-----------------------------|-------------------|-----------------|-------------------|-----------------|-----------------|-----------------------------------|--------------------------------------|---|-----------------------------|

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives in progress projects

completed

in progress

proposed

main map



- | | | | |
|---------------------------------------|---|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | 12 Water Storage Facility | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 13 WSUD Tan Track Reconstruction | 14 Records Office Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 15 RC Hospital Water Harvesting | 16 Zoo Northern Entrance WSUD | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 17 Royal Park North Wetlands | 18 Reclaimed Water Irrigation System | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 19 Water Storage Facilities | 20 Pond Stormwater Diversion | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 21 Pavilion Water Harvesting | 22 WSUD Tan Track Reconstruction | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 23 Machinery Wash Down Facility | 24 Water Treatment Study | | 35 Rain Gardens |
| | 25 Pond Restoration | | 36 Docklands Park Wetlands System |
| | 26 Stormwater Diversion | | 37 Community Centre Water Harvesting |
| | 27 Pool Backwash Process Improvement | | 38 Playground Building Water Harvesting |
| | 28 WSUD Tree Pits | | 39 Rain Gardens & Tree Pits |
| | 29 Rain Gardens | | |
| | 30 Rain Gardens & Tree Pits | | |
| | 31 WSUD Tree Pits | | |
| | 32 Rain Gardens | | |
| | 33 WSUD Tree Pits | | |
| | 34 Rain Gardens | | |
| | 35 Rain Gardens | | |
| | 36 Docklands Park Wetlands System | | |
| | 37 Community Centre Water Harvesting | | |
| | 38 Playground Building Water Harvesting | | |
| | 39 Rain Gardens & Tree Pits | | |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

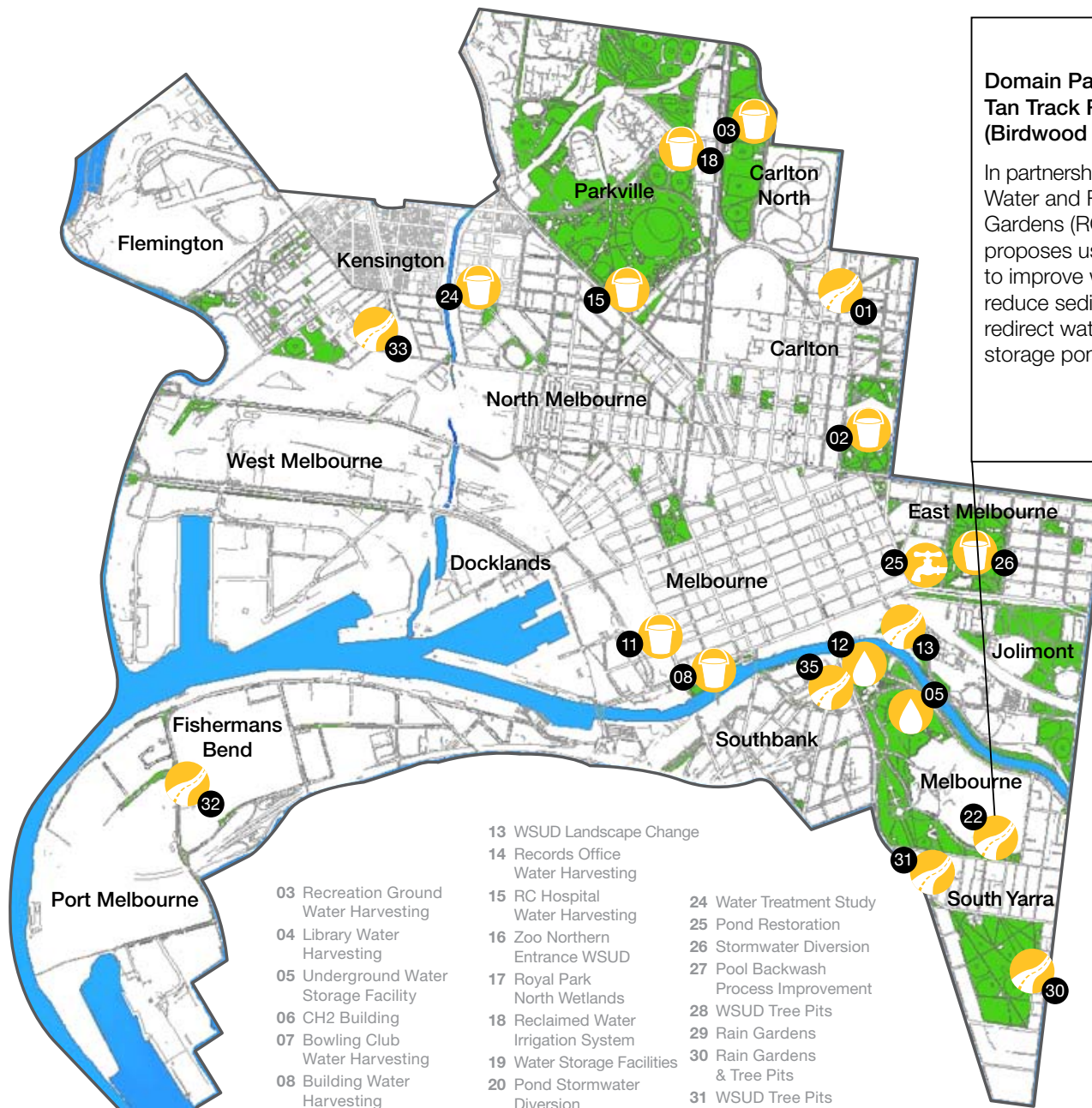
proposed projects

completed

in progress

proposed

main map



- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

Domain Parklands **WSUD** Tan Track Reconstruction (Birdwood Ave Section)

In partnership with Melbourne Water and Royal Botanic Gardens (RGB), the project proposes using **WSUD** to improve water quality, reduce sediment loads and redirect water into RGB storage ponds.

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

completed projects

completed

in progress

proposed

main map



Royal Park North Machinery Wash Down Facility

A wash down facility is used for decontaminating machinery used in maintaining parks. The system recycles water used for cleaning through biological filter tanks for re-use.

- | | | | |
|---------------------------------------|----------------------------------|---|---------------------------------|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 23 Machinery Wash Down Facility |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | |
| 04 Library Water Harvesting | | 14 Records Office Water Harvesting | |
| 05 Underground Water Storage Facility | | 15 RC Hospital Water Harvesting | |
| 06 CH2 Building | | 16 Zoo Northern Entrance WSUD | |
| 07 Bowling Club Water Harvesting | | 17 Royal Park North Wetlands | |
| 08 Building Water Harvesting | | 18 Reclaimed Water Irrigation System | |
| 09 QV Market Water Harvesting | | 19 Water Storage Facilities | |
| | | 20 Pond Stormwater Diversion | |
| | | 21 Pavilion Water Harvesting | |
| | | 24 Water Treatment Study | |
| | | 25 Pond Restoration | |
| | | 26 Stormwater Diversion | |
| | | 27 Pool Backwash Process Improvement | |
| | | 28 WSUD Tree Pits | |
| | | 29 Rain Gardens | |
| | | 30 Rain Gardens & Tree Pits | |
| | | 31 WSUD Tree Pits | |
| | | 32 Rain Gardens | |
| | | 33 WSUD Tree Pits | |
| | | 34 Rain Gardens | |
| | | 35 Rain Gardens | |
| | | 36 Docklands Park Wetlands System | |
| | | 37 Community Centre Water Harvesting | |
| | | 38 Playground Building Water Harvesting | |
| | | 39 Rain Gardens & Tree Pits | |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Moonee Ponds Creek Water Treatment Study

This feasibility study will look at improving water catchment and treatment through a wetland system.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Treasury Gardens Pond Restoration

Upgrade to occur to existing pond to improve pond construction and to rectify water retention issues.

- | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Shrine Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 CH2 Building | 06 Bowling Club Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 QV Market Water Harvesting | 07 Building Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 Station Roof Water Harvesting | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Water Storage Facility | 09 Pavilion Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 WSUD Tan Track Reconstruction | 10 Machinery Wash Down Facility | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 Rain Gardens | | 21 WSUD Tree Pits | 32 Rain Gardens |
| 10 Rain Gardens | | 22 Rain Gardens | 33 WSUD Tree Pits |
| 11 Rain Gardens | | 23 Rain Gardens | 34 Rain Gardens |
| 12 Rain Gardens | | 24 Rain Gardens | 35 Rain Gardens |
| | | 25 Rain Gardens | 36 Docklands Park Wetlands System |
| | | 26 Rain Gardens | 37 Community Centre Water Harvesting |
| | | 27 Rain Gardens | 38 Playground Building Water Harvesting |
| | | 28 Rain Gardens | 39 Rain Gardens & Tree Pits |

- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

Water Saving Initiatives

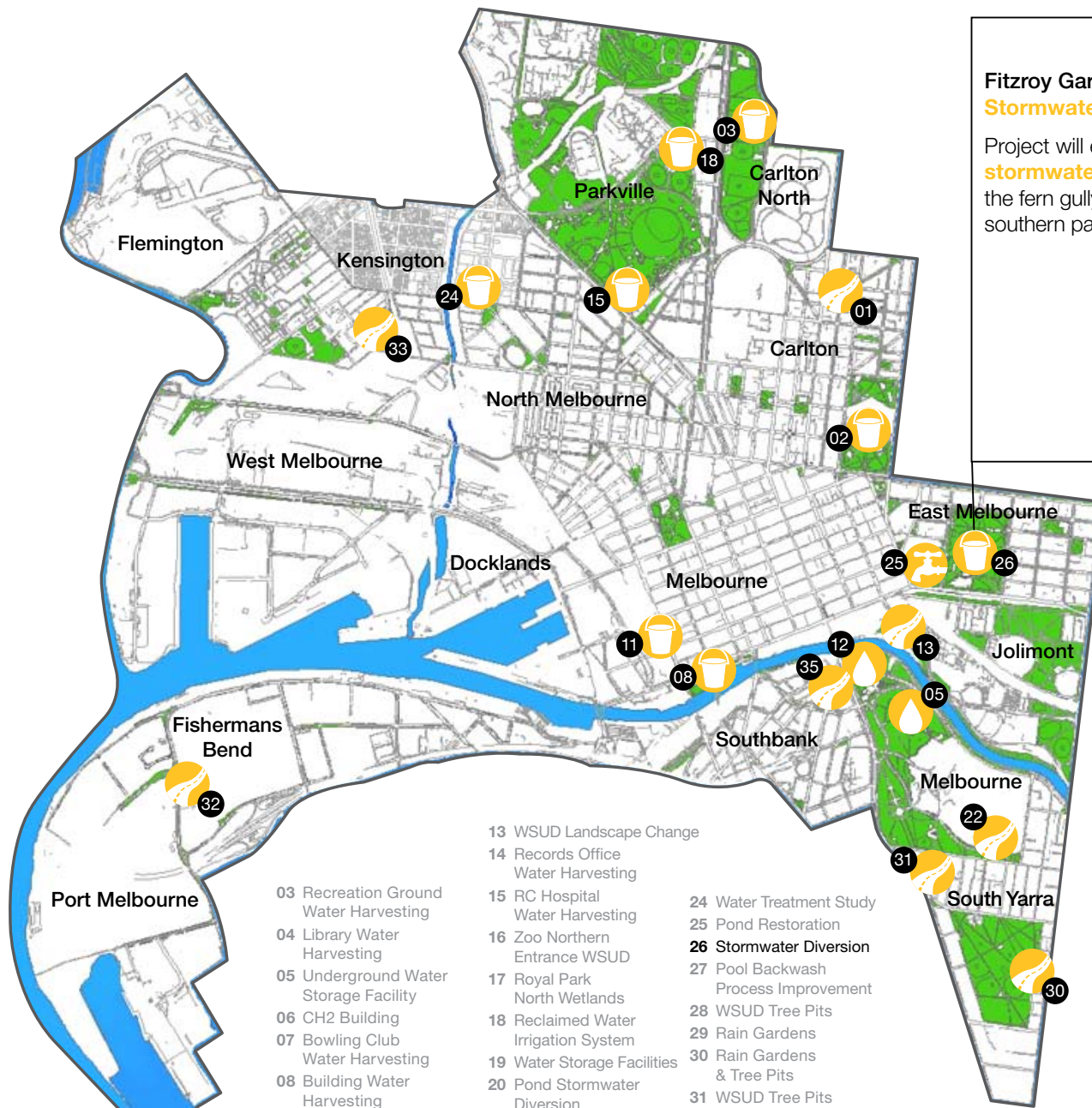
proposed projects

completed

in progress

proposed

main map



- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

Fitzroy Gardens Stormwater Diversion

Project will extend existing **stormwater diversion** to the fern gully water feature in southern part of the gardens.

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

completed projects

completed

in progress

proposed

main map



CBD WSUD Tree Pits

This street treatment is designed to capture stormwater runoff then re-direct it into sunken pits to maintain tree health. These projects were funded in partnership with Melbourne Water.

Found in:

Little Bourke St (*completed*)
 Little Collins St (*completed*)
 Flinders Lane (*completed*)
 Little La Trobe St (*proposed*)
 East Melbourne Streets (*proposed*)

- | | | | |
|---------------------------------------|----------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Docklands Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

completed projects

completed

in progress

proposed

main map



- | | | | |
|---------------------------------------|----------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 38 Playground Building Water Harvesting |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | 13 WSUD Landscape Change | 39 Rain Gardens & Tree Pits |
| 04 Library Water Harvesting | | 14 Records Office Water Harvesting | |
| 05 Underground Water Storage Facility | | 15 RC Hospital Water Harvesting | |
| 06 CH2 Building | | 16 Zoo Northern Entrance WSUD | |
| 07 Bowling Club Water Harvesting | | 17 Royal Park North Wetlands | |
| 08 Building Water Harvesting | | 18 Reclaimed Water Irrigation System | |
| 09 QV Market Water Harvesting | | 19 Water Storage Facilities | |
| | | 20 Pond Stormwater Diversion | |
| | | 21 Pavilion Water Harvesting | |
| | | 24 Water Treatment Study | |
| | | 25 Pond Restoration | |
| | | 26 Stormwater Diversion | |
| | | 27 Pool Backwash Process Improvement | |
| | | 28 WSUD Tree Pits | |
| | | 29 Rain Gardens | |
| | | 30 Rain Gardens & Tree Pits | |
| | | 31 WSUD Tree Pits | |
| | | 32 Rain Gardens | |
| | | 33 WSUD Tree Pits | |
| | | 34 Rain Gardens | |
| | | 35 Rain Gardens | |
| | | 36 Docklands Park Wetlands System | |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Pasley Street Rain Gardens & WSUD Tree Pits

This street treatment system is designed to capture and reduce stormwater runoff speed while improving water quality. These natural water cleaning systems consist of vegetation over a loamy sandy layer with drainage underneath, and water retention **tree pits**.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Sth Yarra WSUD Tree Pits

This street treatment is designed to capture stormwater runoff then re-direct it into sunken pits to maintain tree health. These projects were/will be funded in partnership with Melbourne Water.

Found in:

Acland St (*completed*)
St Kilda Rd (*proposed*)

- | | | | |
|------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Shrine Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 CH2 Building | 06 Bowling Club Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 QV Market Water Harvesting | 07 Building Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 Station Roof Water Harvesting | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Water Storage Facility | 09 Pavilion Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 WSUD Tan Track Reconstruction | 10 Machinery Wash Down Facility | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 Rain Gardens | 11 Rain Gardens | 21 Pond Stormwater Diversion | 32 Rain Gardens |
| 10 Rain Gardens | 12 Rain Gardens | 22 Docklands Park Wetlands System | 33 WSUD Tree Pits |
| 11 Rain Gardens | 13 Rain Gardens | 23 Docklands Park Wetlands System | 34 Rain Gardens |
| 12 Rain Gardens | 14 Rain Gardens | 24 Docklands Park Wetlands System | 35 Rain Gardens |
| 13 Rain Gardens | 15 Rain Gardens | 25 Docklands Park Wetlands System | 36 Rain Gardens |
| 14 Rain Gardens | 16 Rain Gardens | 26 Docklands Park Wetlands System | 37 Community Centre Water Harvesting |
| 15 Rain Gardens | 17 Rain Gardens | 27 Docklands Park Wetlands System | 38 Playground Building Water Harvesting |
| 16 Rain Gardens | 18 Rain Gardens | 28 Docklands Park Wetlands System | 39 Rain Gardens & Tree Pits |
| 17 Rain Gardens | 19 Rain Gardens | 29 Docklands Park Wetlands System | |
| 18 Rain Gardens | 20 Rain Gardens | 30 Docklands Park Wetlands System | |
| 19 Rain Gardens | 21 Rain Gardens | 31 Docklands Park Wetlands System | |
| 20 Rain Gardens | 22 Rain Gardens | 32 Docklands Park Wetlands System | |
| 21 Rain Gardens | 23 Rain Gardens | 33 Docklands Park Wetlands System | |
| 22 Rain Gardens | 24 Rain Gardens | 34 Docklands Park Wetlands System | |
| 23 Rain Gardens | 25 Rain Gardens | 35 Docklands Park Wetlands System | |
| 24 Rain Gardens | 26 Rain Gardens | 36 Docklands Park Wetlands System | |
| 25 Rain Gardens | 27 Rain Gardens | 37 Docklands Park Wetlands System | |
| 26 Rain Gardens | 28 Rain Gardens | 38 Docklands Park Wetlands System | |
| 27 Rain Gardens | 29 Rain Gardens | 39 Docklands Park Wetlands System | |
| 28 Rain Gardens | 30 Rain Gardens | | |
| 29 Rain Gardens | 31 Rain Gardens | | |
| 30 Rain Gardens | 32 Rain Gardens | | |
| 31 Rain Gardens | 33 Rain Gardens | | |
| 32 Rain Gardens | 34 Rain Gardens | | |
| 33 Rain Gardens | 35 Rain Gardens | | |
| 34 Rain Gardens | 36 Rain Gardens | | |
| 35 Rain Gardens | 37 Rain Gardens | | |
| 36 Rain Gardens | 38 Rain Gardens | | |
| 37 Rain Gardens | 39 Rain Gardens | | |
| 38 Rain Gardens | | | |
| 39 Rain Gardens | | | |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Todd Road Rain Gardens

A **biological system** specifically designed to reduce stormwater runoff speed while improving water quality. Typically, a rain garden profile is a drained loamy sand layer with vegetation on top.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Kensington WSUD Tree Pits

This street treatment is designed to capture stormwater runoff then re-direct it into sunken pits to maintain tree health.

Found in:
Bellair St (proposed)

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives in progress projects

completed

in progress

proposed

main map



Grant Street Redevelopment Rain Gardens

This streetscape redevelopment harvests stormwater from adjacent roadways and buildings. The water is then filtered through a rain garden and dry creek bed system prior to storage in a 200,000L underground tank for re-use in irrigating the landscape surrounds.

- | | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study | 37 Community Centre Water Harvesting |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration | 38 Playground Building Water Harvesting |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion | 39 Rain Gardens & Tree Pits |
| 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement | |
| 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits | |
| 11 Station Roof Water Harvesting | 12 Water Storage Facility | 18 Reclaimed Water Irrigation System | 29 Rain Gardens | |
| | | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits | |
| | | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits | |
| | | 21 Pavilion Water Harvesting | 32 Rain Gardens | |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits | |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens | |
| | | | 35 Rain Gardens | |
| | | | 36 Docklands Park Wetlands System | |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

proposed projects

completed

in progress

proposed

main map



Victorian College of the Arts Rain Gardens

The VCA intend to collect roof water from their building and clean the water through a rain garden filtering system.

- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 03 Recreation Ground Water Harvesting | 05 Underground Water Storage Facility | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 04 Library Water Harvesting | 06 CH2 Building | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 05 Underground Water Storage Facility | 07 Bowling Club Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 06 CH2 Building | 08 Building Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 07 Bowling Club Water Harvesting | 09 QV Market Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 08 Building Water Harvesting | 10 Shrine Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 11 Station Roof Water Harvesting | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 10 Shrine Water Harvesting | 12 Water Storage Facility | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 12 Water Storage Facility | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives in progress projects

completed

in progress

proposed

main map



Docklands Park Wetlands, Storage and Re-use System

This system harvests stormwater from the NAB building roof and from precinct surrounds near the park. The water is then filtered through a series of wetlands prior to storage in three underground tanks with a total storage capacity of 580,000 litres for re-use in irrigating the park.

- | | | | |
|---|---|---|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 11 Station Roof Water Harvesting | 12 Water Storage Facility | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 13 WSUD Tan Track Reconstruction | 14 Records Office Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 15 RC Hospital Water Harvesting | 16 Zoo Northern Entrance WSUD | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 17 Royal Park North Wetlands | 18 Reclaimed Water Irrigation System | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| 19 Water Storage Facilities | 20 Pond Stormwater Diversion | 22 WSUD Tree Pits | 33 WSUD Tree Pits |
| 21 Pavilion Water Harvesting | 22 WSUD Tan Track Reconstruction | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| 23 Machinery Wash Down Facility | 24 Water Treatment Study | 25 Pond Restoration | 35 Rain Gardens |
| 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 36 Docklands Park Wetlands System |
| 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 37 Community Centre Water Harvesting |
| 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 38 Playground Building Water Harvesting |
| 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 39 Rain Gardens & Tree Pits |
| 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | |
| 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | |
| 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | |
| 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | |
| 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | |
| 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | |
| 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | |
| 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | |
| 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | |
| 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | |
| 39 Rain Gardens & Tree Pits | | | |

- water harvesting
- water delivery efficiencies
- Water Storage
- sustainable development
- water sensitive urban design

Water Saving Initiatives in progress projects

completed


in progress

proposed

main map



- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 24 Water Treatment Study |
| 07 Bowling Club Water Harvesting | 08 Building Water Harvesting | 16 Zoo Northern Entrance WSUD | 25 Pond Restoration |
| 09 QV Market Water Harvesting | 10 Shrine Water Harvesting | 17 Royal Park North Wetlands | 26 Stormwater Diversion |
| 11 Station Roof Water Harvesting | 12 Water Storage Facility | 18 Reclaimed Water Irrigation System | 27 Pool Backwash Process Improvement |
| | | 19 Water Storage Facilities | 28 WSUD Tree Pits |
| | | 20 Pond Stormwater Diversion | 29 Rain Gardens |
| | | 21 Pavilion Water Harvesting | 30 Rain Gardens & Tree Pits |
| | | 22 WSUD Tan Track Reconstruction | 31 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 32 Rain Gardens |
| | | | 33 WSUD Tree Pits |
| | | | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting 

water delivery efficiencies 

Water Storage 

sustainable development 

water sensitive urban design 

Water Saving Initiatives in progress projects

completed

in progress

proposed

main map



- | | | | |
|---------------------------------------|---------------------------------------|--------------------------------------|---|
| 01 Housing Estate Water Harvesting | 03 Recreation Ground Water Harvesting | 13 WSUD Landscape Change | 24 Water Treatment Study |
| 02 Roof Water Harvesting Project | 04 Library Water Harvesting | 14 Records Office Water Harvesting | 25 Pond Restoration |
| 05 Underground Water Storage Facility | 06 CH2 Building | 15 RC Hospital Water Harvesting | 26 Stormwater Diversion |
| 07 Bowling Club Water Harvesting | 07 Bowling Club Water Harvesting | 16 Zoo Northern Entrance WSUD | 27 Pool Backwash Process Improvement |
| 08 Building Water Harvesting | 08 Building Water Harvesting | 17 Royal Park North Wetlands | 28 WSUD Tree Pits |
| 09 QV Market Water Harvesting | 09 QV Market Water Harvesting | 18 Reclaimed Water Irrigation System | 29 Rain Gardens |
| 10 Shrine Water Harvesting | 10 Shrine Water Harvesting | 19 Water Storage Facilities | 30 Rain Gardens & Tree Pits |
| 11 Station Roof Water Harvesting | 11 Station Roof Water Harvesting | 20 Pond Stormwater Diversion | 31 WSUD Tree Pits |
| 12 Water Storage Facility | 12 Water Storage Facility | 21 Pavilion Water Harvesting | 32 Rain Gardens |
| | | 22 WSUD Tan Track Reconstruction | 33 WSUD Tree Pits |
| | | 23 Machinery Wash Down Facility | 34 Rain Gardens |
| | | | 35 Rain Gardens |
| | | | 36 Docklands Park Wetlands System |
| | | | 37 Community Centre Water Harvesting |
| | | | 38 Playground Building Water Harvesting |
| | | | 39 Rain Gardens & Tree Pits |

water harvesting



water delivery efficiencies



Water Storage



sustainable development



water sensitive urban design



Water Saving Initiatives

completed projects

completed

in progress

proposed

main map



Childers Street Rain Gardens & WSUD Tree Pits

This street treatment system is designed to capture and reduce stormwater runoff speed while improving water quality. These natural water cleaning systems consist of vegetation over a loamy sandy layer with drainage underneath, and water retention tree pits.

- | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|----------------------------------|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|--------------------------------------|--------------------------------------|---|---|---|---|---|---|---|---|--------------------------------------|---|-----------------------------|
| 01 Housing Estate Water Harvesting | 10 Shrine Water Harvesting | 22 WSUD Tan Track Reconstruction | 23 WSUD Landscape Change | 24 Water Treatment Study | 25 Pond Restoration | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits |
| 02 Roof Water Harvesting Project | 11 Station Roof Water Harvesting | 23 Machinery Wash Down Facility | 14 Records Office Water Harvesting | 26 Stormwater Diversion | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | |
| 03 Recreation Ground Water Harvesting | 12 Water Storage Facility | | 15 RC Hospital Water Harvesting | 27 Pool Backwash Process Improvement | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | |
| 04 Library Water Harvesting | | | 16 Zoo Northern Entrance WSUD | 28 WSUD Tree Pits | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | |
| 05 Underground Water Storage Facility | | | 17 Royal Park North Wetlands | 29 Rain Gardens | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | |
| 06 CH2 Building | | | 18 Reclaimed Water Irrigation System | 30 Rain Gardens & Tree Pits | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | |
| 07 Bowling Club Water Harvesting | | | 19 Water Storage Facilities | 31 WSUD Tree Pits | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | | |
| 08 Building Water Harvesting | | | 20 Pond Stormwater Diversion | 32 Rain Gardens | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | | | |
| 09 QV Market Water Harvesting | | | 21 Pavilion Water Harvesting | 33 WSUD Tree Pits | 34 Rain Gardens | 35 Rain Gardens | 36 Docklands Park Wetlands System | 37 Community Centre Water Harvesting | 38 Playground Building Water Harvesting | 39 Rain Gardens & Tree Pits | | | | | | | | | |

water harvesting

water delivery efficiencies

Water Storage

sustainable development

water sensitive urban design

Water Saving Initiatives

glossary

Grey water – is waste water from basins and showers.

Potable water – drinking water.

Reclaimed water – used water which has been harvested from another source.

Sewer mining – recycling water from the sewerage system which is cleaned and re-used for amenities such as flushing toilets and irrigation.

Stormwater diversion – a system which captures and saves water that would otherwise enter into stormwater drains.

Sustainable development – buildings that incorporate environmentally friendly principles in their design and function.

Water delivery efficiencies – ensure that systems which carry water are optimised so there is no wastage.

Water storage – houses water that has been captured for re-use.

Water Sensitive Urban Design (WSUD) – design which is the integration of urban planning and development to optimise the management and conservation of the water cycle as a whole.

Water harvesting – captured rain or stormwater which would be otherwise lost.

Rain Gardens (or Bioretention Systems) – are systems that filter and clean stormwater run-off through a vegetated soil layer. Water is then collected through perforated pipes, flowing to downstream waterways or to storage for re-use.

WSUD Tree Pits – are designed to receive and filter water runoff from the surrounding road surfaces. By utilising stormwater, the tree pit system is self sustaining, improving tree survival in drought conditions.

completed

in progress

proposed

main map